

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033202.D
 Acq On : 14 Feb 2019 17:01
 Operator : SY/AP
 Sample : VL0214ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 08:23:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	774624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1819845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2216848m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1537123	8.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1519438	10.260	ppbv 100
3) Chlorodifluoromethane	3.01	51	924721	9.914	ppbv 98
4) Chloromethane	3.17	50	494943	10.050	ppbv 99
5) Vinyl Chloride	3.29	62	479957	9.333	ppbv 98
6) Bromomethane	3.52	94	286745	10.145	ppbv 99
7) Chloroethane	3.60	64	171690	10.212	ppbv 95
8) Dichlorotetrafluoroethane	3.22	85	1143884	9.876	ppbv 98
9) Propene	3.04	41	422673	9.381	ppbv 99
10) Heptane	8.25	43	1118821	8.208	ppbv 100
11) Trichlorofluoromethane	4.00	101	1254030	10.459	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	823331	9.908	ppbv 99
13) Ethanol	3.65	45	92466m	6.039	ppbv
14) Bromoethene	3.79	108	361093	10.078	ppbv 100
15) Acetone	3.90	43	844299	9.674	ppbv 99
16) 1,3-Butadiene	3.36	39	404430	9.763	ppbv 97
17) tert-Butyl alcohol	4.36	59	171841	10.250	ppbv 98
18) 1,1-Dichloroethene	4.35	96	377083	10.138	ppbv 95
19) Isopropyl Alcohol	4.02	45	598267	10.108	ppbv 100
20) Methylene Chloride	4.41	84	325354	9.372	ppbv 95
21) Allyl Chloride	4.48	41	585547	10.161	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	377957	10.463	ppbv 99
23) Vinyl Acetate	5.16	43	1528355	10.105	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1034998	9.674	ppbv 100
25) Ethyl Acetate	5.77	43	1802364	9.185	ppbv 100
26) Hexane	5.78	57	824949	8.955	ppbv 99
27) Carbon Disulfide	4.62	76	937947	11.115	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1199227	9.527	ppbv 99
29) Chloroform	5.85	83	1333516	9.446	ppbv 98
30) Cyclohexane	7.25	84	696540	8.150	ppbv 97
31) cis-1,2-Dichloroethene	5.64	61	870452	9.441	ppbv 100
32) 1,1,1-Trichloroethane	6.62	97	1329705	8.555	ppbv 99
34) 2-Butanone	5.33	43	1237829	10.723	ppbv 99
35) Carbon Tetrachloride	7.14	117	1363692	9.812	ppbv 95
36) Benzene	7.01	78	1743397	9.452	ppbv 98
37) 1,2-Dichloroethane	6.41	62	1056980	10.341	ppbv 99
38) Trichloroethene	7.97	130	654202	8.300	ppbv 95
39) 1,2-Dichloropropane	7.74	63	668527	9.178	ppbv 95
40) 1,4-Dioxane	7.96	88	240599	9.303	ppbv 98
41) Tetrahydrofuran	6.15	42	719066	10.077	ppbv 99
42) Bromodichloromethane	7.92	83	1526502	10.306	ppbv 100
43) Methyl Methacrylate	8.14	69	715278	9.660	ppbv 98

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Quant Time: Feb 20 08:23:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 2019

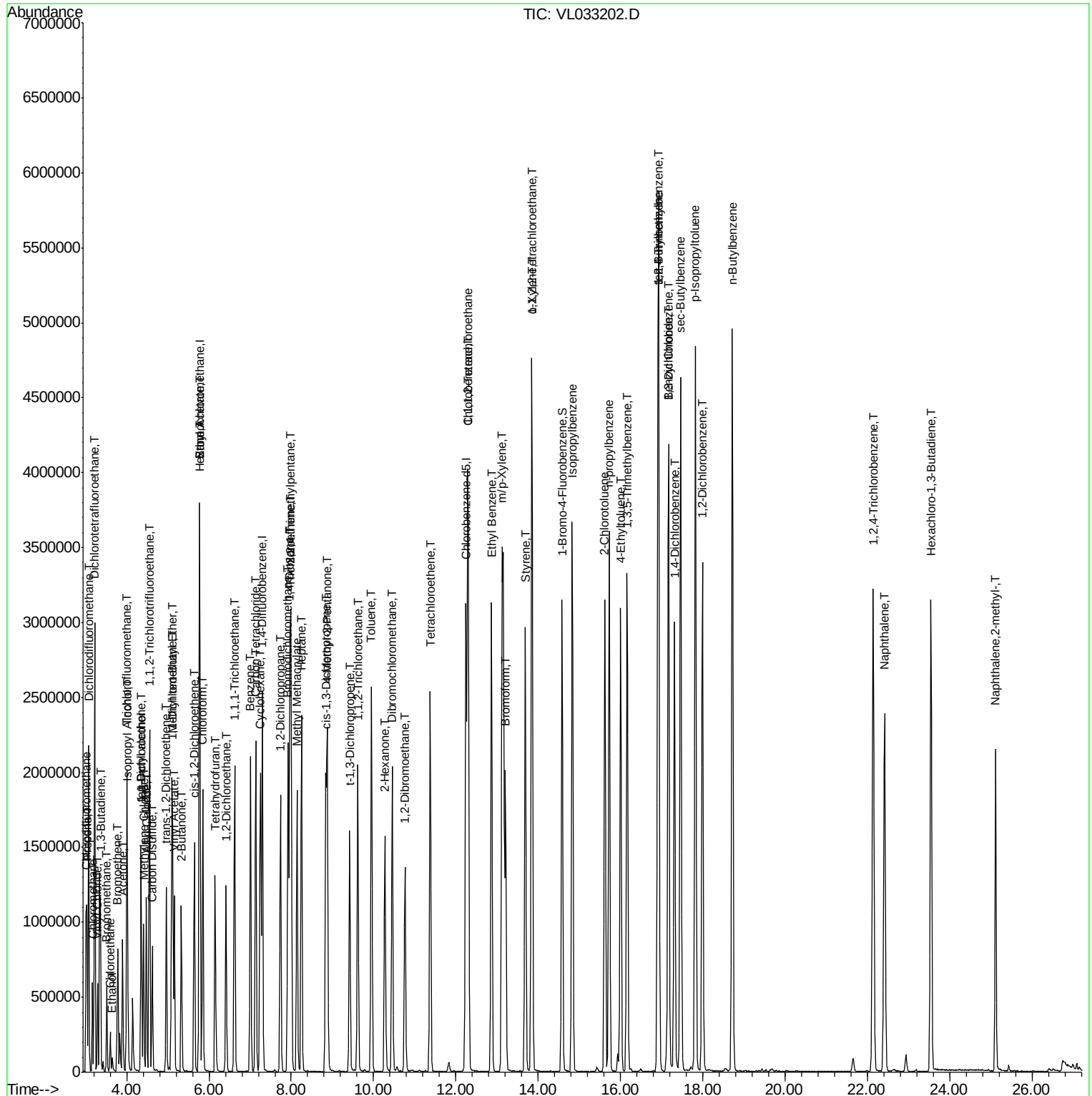
Response via : Initial Calibration

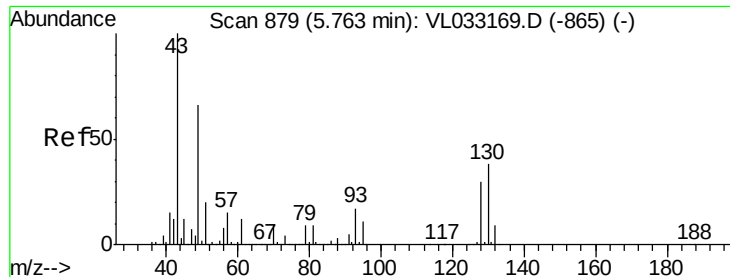
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2956954	9.461	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	966708	11.790	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1108147	10.576	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	724507	9.591	ppbv	96
48) Dibromochloromethane	10.45	129	1262518	10.609	ppbv	100
49) Bromoform	13.20	173	1153084	11.261	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1843346	9.958	ppbv	98
51) 2-Hexanone	10.27	43	1475130	10.107	ppbv #	98
52) Tetrachloroethene	11.38	164	637745	9.000	ppbv	98
53) Toluene	9.95	91	2099728	9.614	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1149831	9.700	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	919762	8.908	ppbv	96
57) Chlorobenzene	12.30	112	1592189	8.117	ppbv	95
58) Ethyl Benzene	12.87	91	2984388	8.201	ppbv	98
59) m/p-Xylene	13.12	91	4962007m	16.393	ppbv	
60) o-Xylene	13.85	91	2394817	8.114	ppbv	98
61) Styrene	13.69	104	1816330	8.152	ppbv	99
62) Isopropylbenzene	14.83	105	3375128	8.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1659621	7.203	ppbv	99
64) n-propylbenzene	15.73	120	844809	7.980	ppbv	96
65) tert-Butylbenzene	16.91	119	2914281	8.037	ppbv	98
66) Benzyl Chloride	17.16	91	1443727	11.141	ppbv	98
67) sec-Butylbenzene	17.46	105	4761113	9.044	ppbv	99
69) p-Isopropyltoluene	17.82	119	4018046	9.165	ppbv	99
70) n-Butylbenzene	18.72	91	4324170	9.142	ppbv	99
71) 2-Chlorotoluene	15.62	91	2598645	7.943	ppbv	99
72) 4-Ethyltoluene	16.00	105	2751327	8.082	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2664210	8.183	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2664699	7.891	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1538123	7.898	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1559856	8.084	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1784898	9.274	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	860126	8.988	ppbv	99
79) Naphthalene	22.42	128	3142221	8.659	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1176113	6.408	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1554236	8.432	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Operator  : SY/AP  
Sample    : VL0214ABS01  
Misc      : 400ml/MSVOA L  
ALS Vial  : 1    Sample Multiplier: 1
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Quant Time: Feb 20 08:23:48 2019
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QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

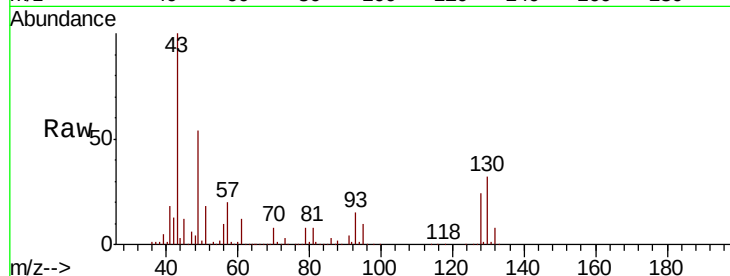
Tot Ion: 49 Resp: 774624

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.6	71.0
130	58.9	30.3	91.0

49 100

128 46.0 23.6 71.0

130 58.9 30.3 91.0



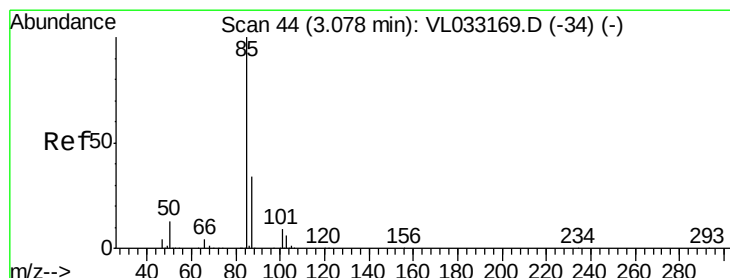
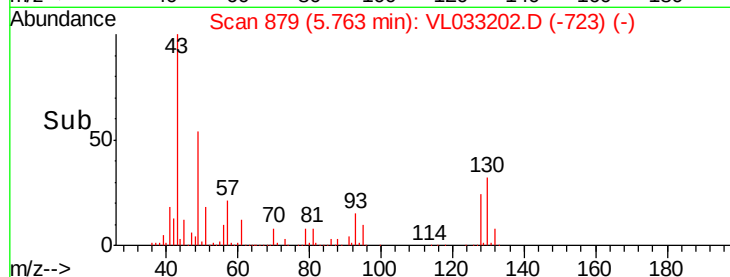
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.76

Time-->



#2

Dichlorodifluoromethane

Concen: 10.260 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033202.D

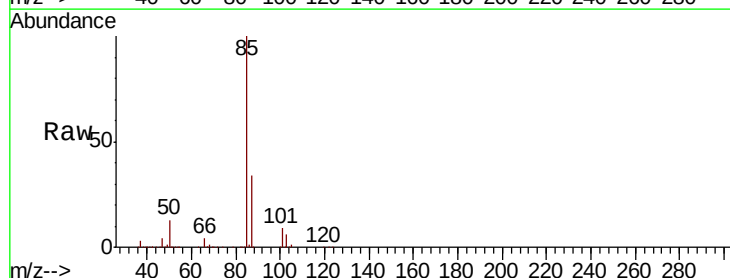
Acq: 14 Feb 2019 17:01

Tgt Ion: 85 Resp: 1519438

Ion	Ratio	Lower	Upper
85	100		
87	34.3	27.4	41.2

85 100

87 34.3 27.4 41.2

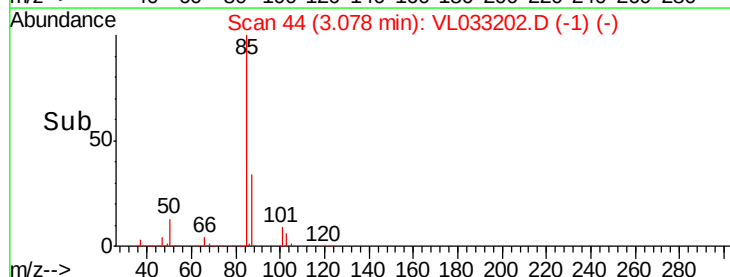


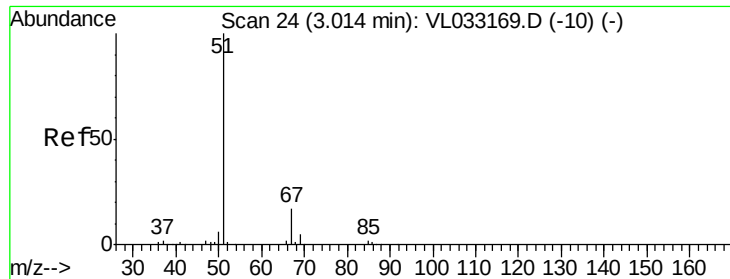
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

Time-->





#3

Chlorodifluoromethane

Concen: 9.914 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033202.D

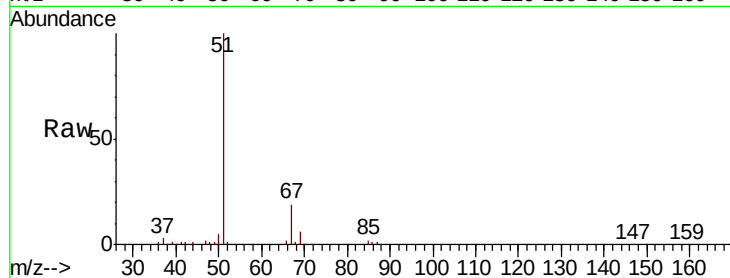
Acq: 14 Feb 2019 17:01

Tot Ion: 51 Resp: 924721

Ion Ratio Lower Upper

51 100

67 18.4 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.01

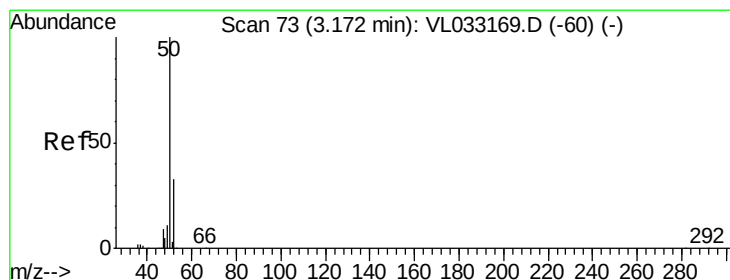
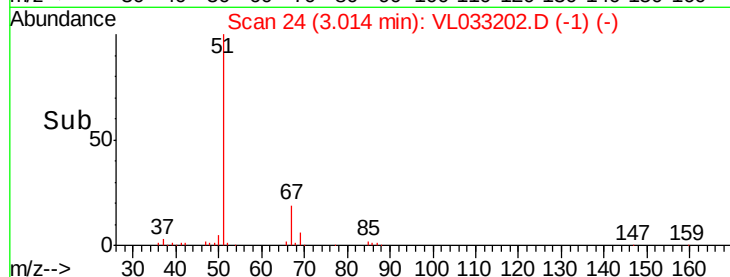
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.050 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033202.D

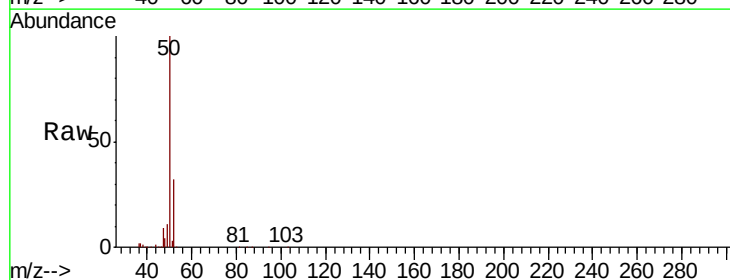
Acq: 14 Feb 2019 17:01

Tgt Ion: 50 Resp: 494943

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

400000

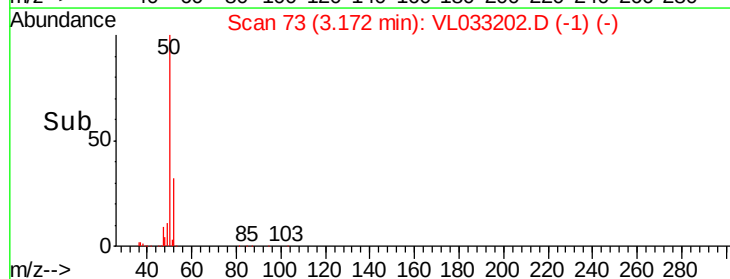
300000

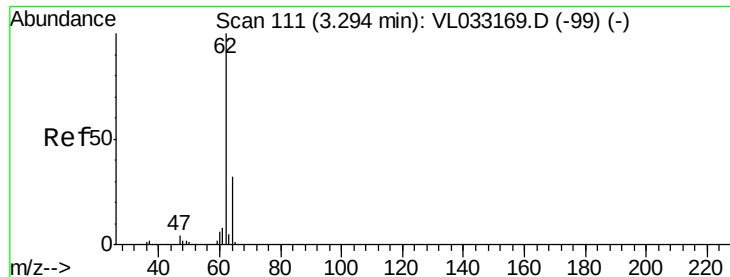
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.333 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033202.D

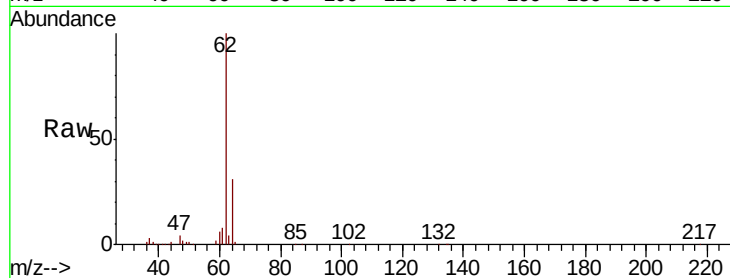
Acq: 14 Feb 2019 17:01

Tot Ion: 62 Resp: 479957

Ion Ratio Lower Upper

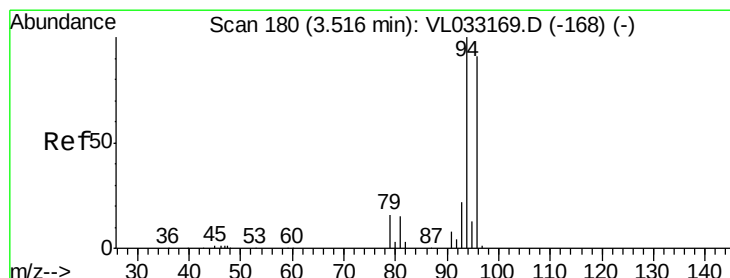
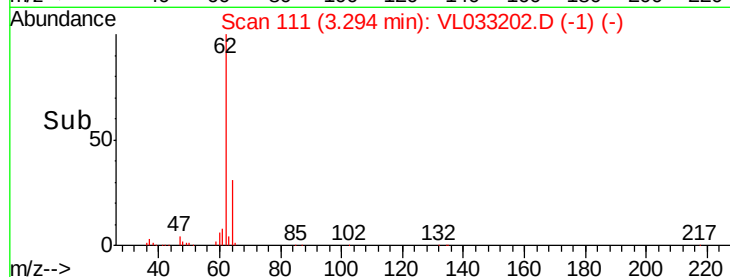
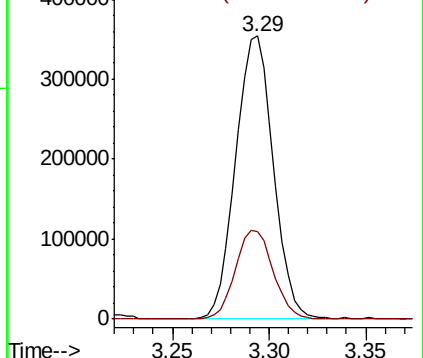
62 100

64 31.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.145 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033202.D

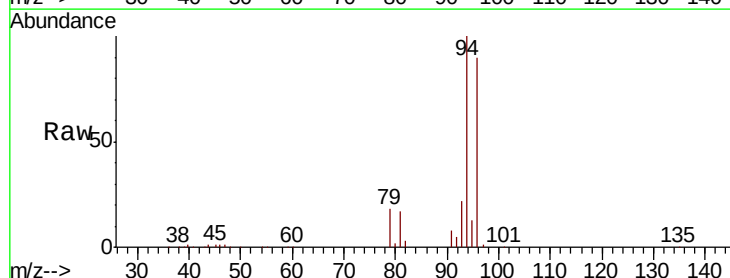
Acq: 14 Feb 2019 17:01

Tgt Ion: 94 Resp: 286745

Ion Ratio Lower Upper

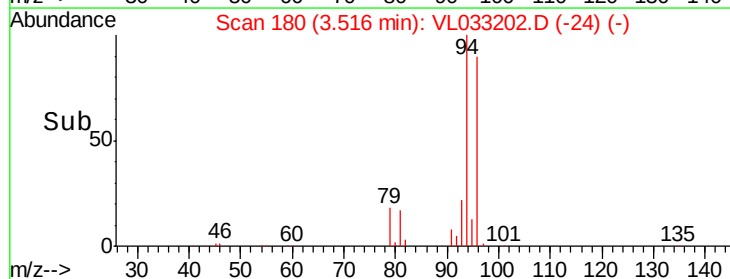
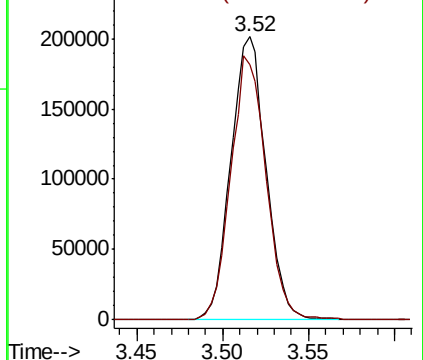
94 100

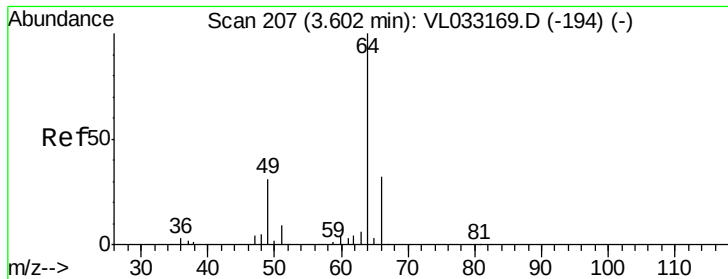
96 90.1 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.212 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033202.D

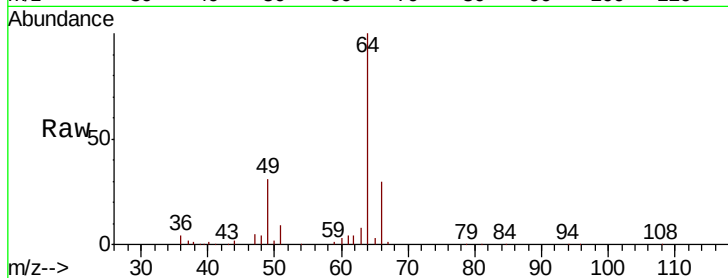
Acq: 14 Feb 2019 17:01

Tot Ion: 64 Resp: 171690

Ion Ratio Lower Upper

64 100

66 29.7 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

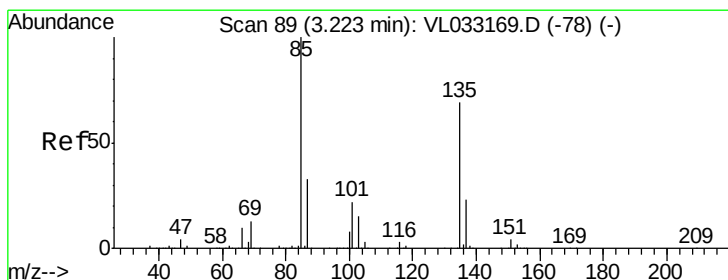
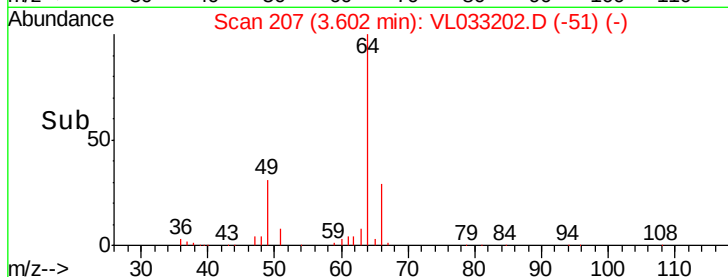
3.60

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.876 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033202.D

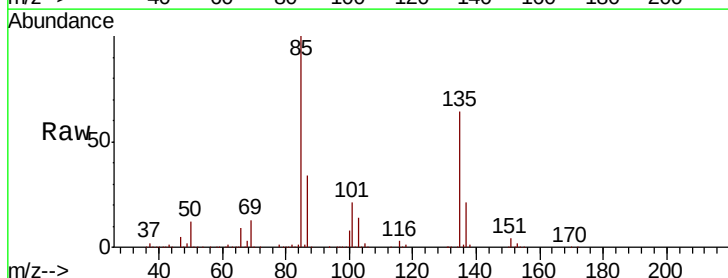
Acq: 14 Feb 2019 17:01

Tgt Ion: 85 Resp: 1143884

Ion Ratio Lower Upper

85 100

135 66.4 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

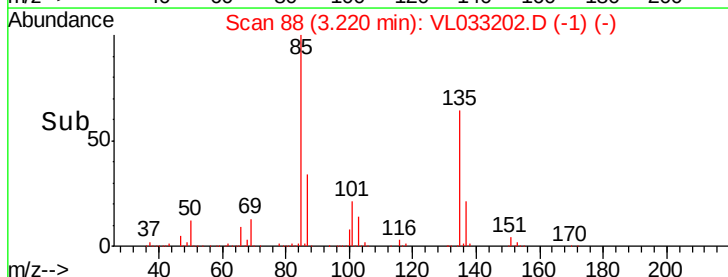
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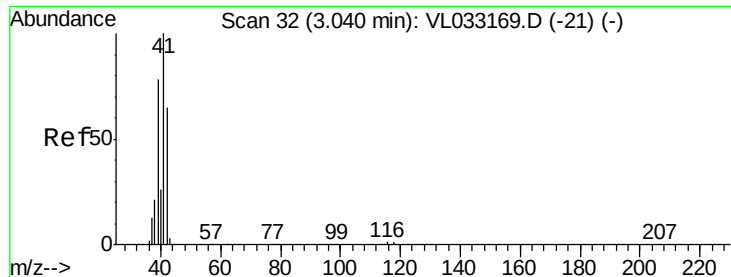
400000

200000

0

Time-->





#9

Propene

Concen: 9.381 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033202.D

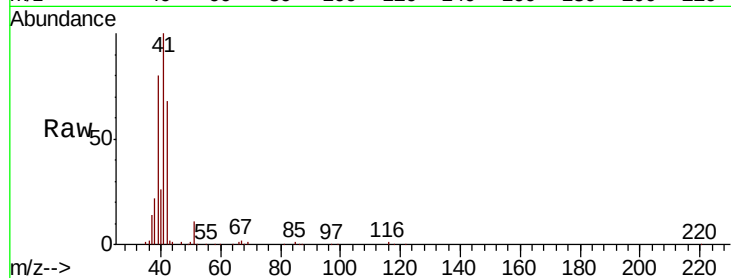
Acq: 14 Feb 2019 17:01

Tot Ion: 41 Resp: 422673

Ion Ratio Lower Upper

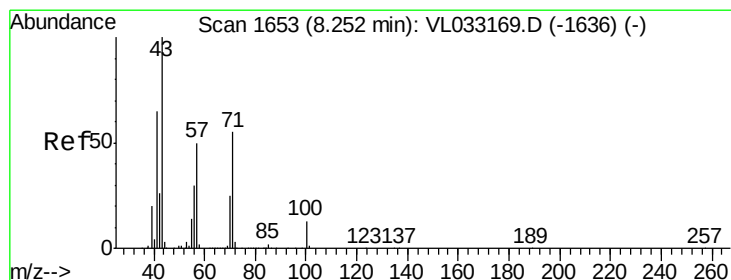
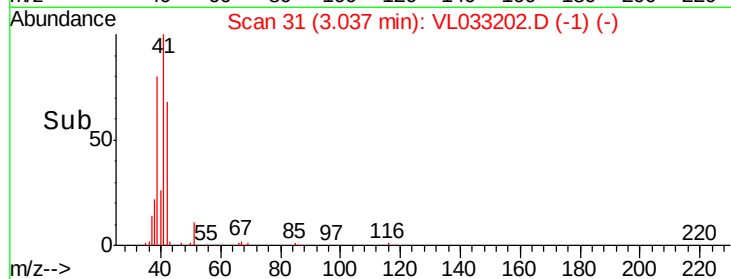
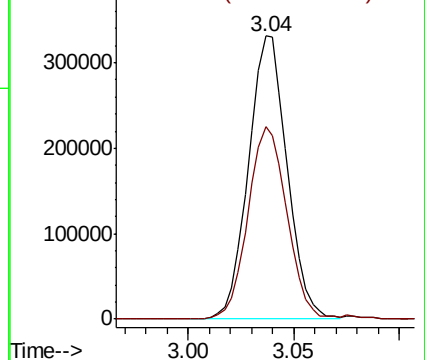
41 100

42 69.3 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.208 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033202.D

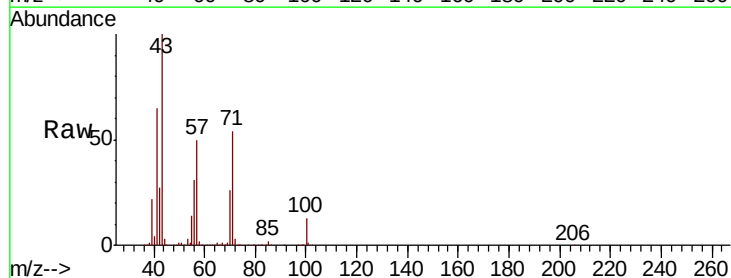
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1118821

Ion Ratio Lower Upper

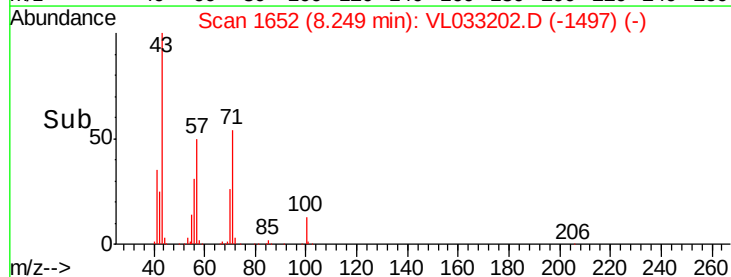
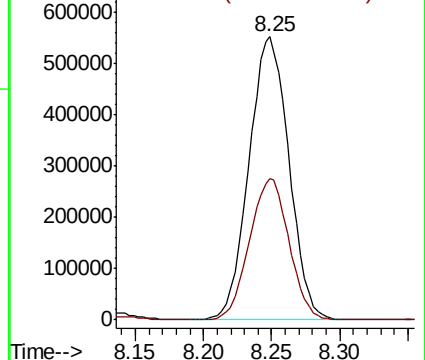
43 100

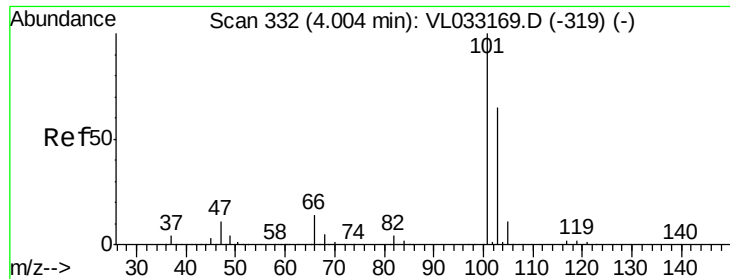
57 49.4 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.459 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033202.D

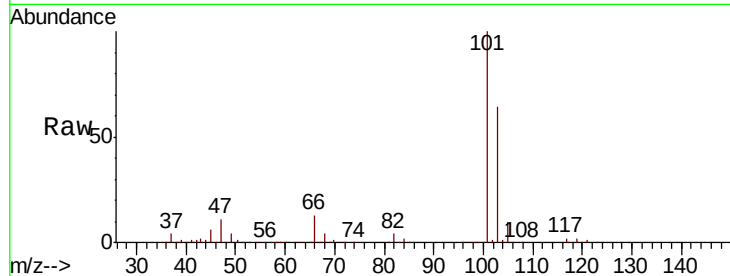
Acq: 14 Feb 2019 17:01

Tot Ion:101 Resp: 1254030

Ion Ratio Lower Upper

101 100

103 63.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.00

800000

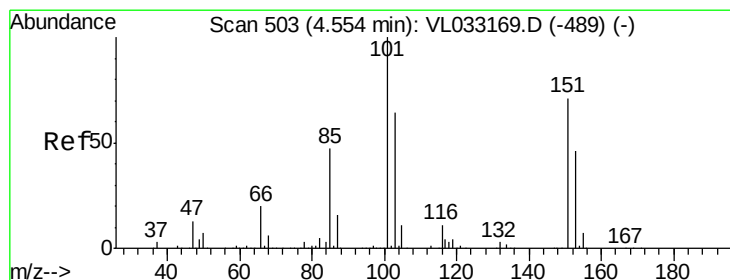
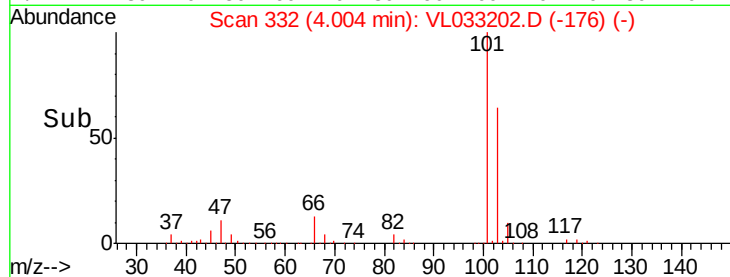
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.908 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033202.D

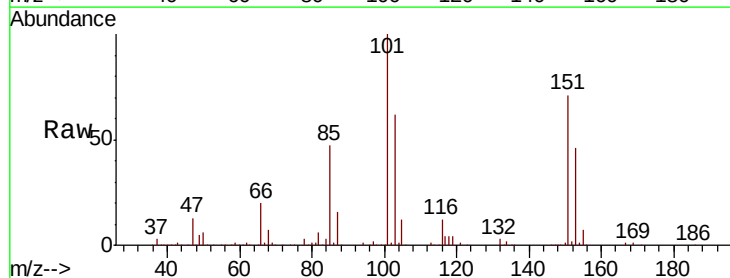
Acq: 14 Feb 2019 17:01

Tgt Ion:101 Resp: 823331

Ion Ratio Lower Upper

101 100

151 70.8 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.55

500000

400000

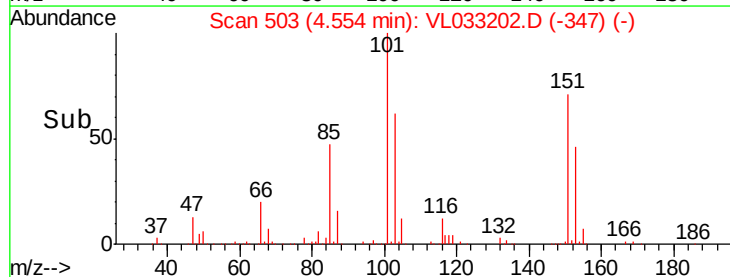
300000

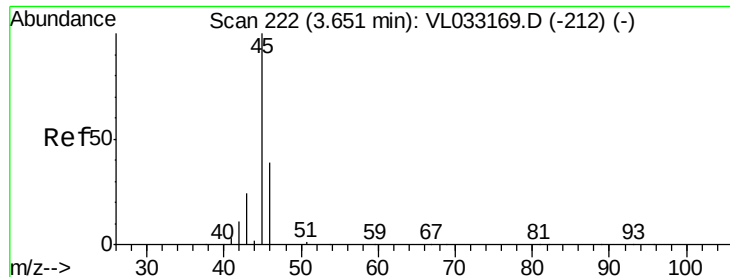
200000

100000

0

Time-->





#13

Ethanol

Concen: 6.039 ppbv m

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033202.D

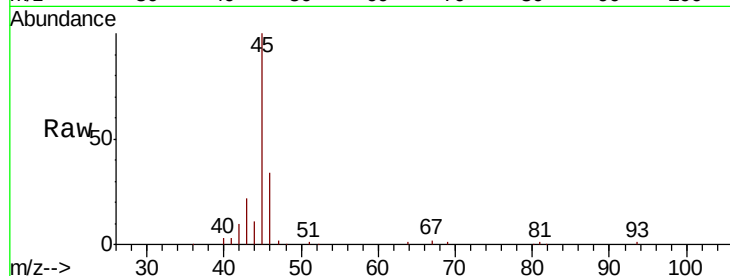
Acq: 14 Feb 2019 17:01

Tot Ion: 45 Resp: 92466

Ion Ratio Lower Upper

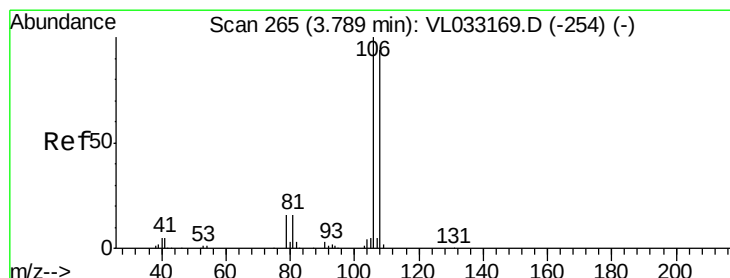
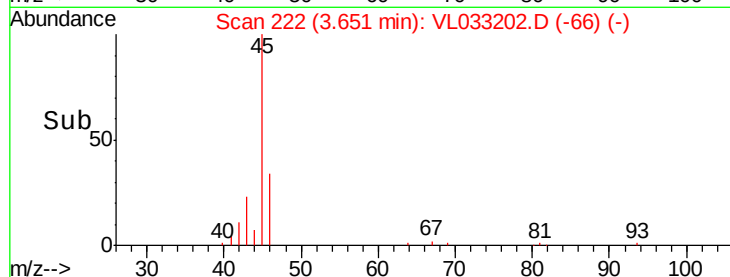
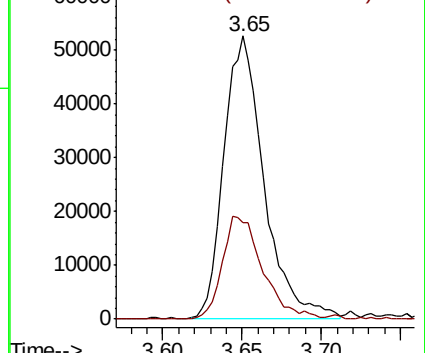
45 100

46 36.9 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.078 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

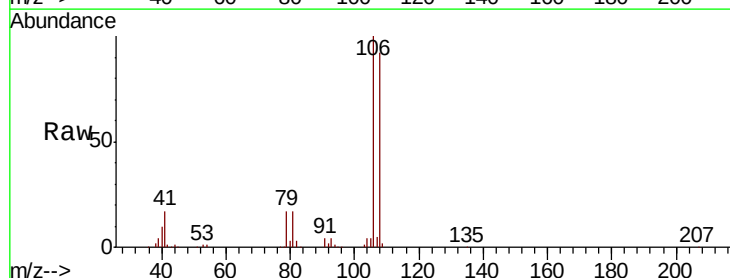
Tgt Ion: 108 Resp: 361093

Ion Ratio Lower Upper

108 100

106 107.2 86.0 129.0

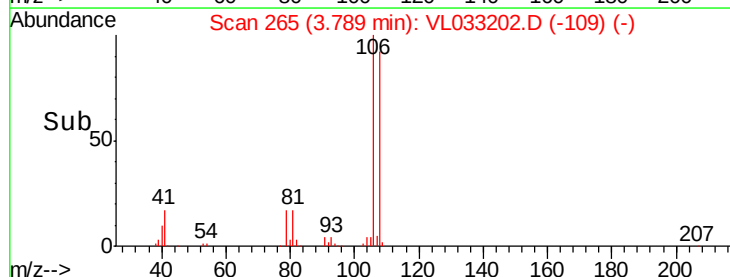
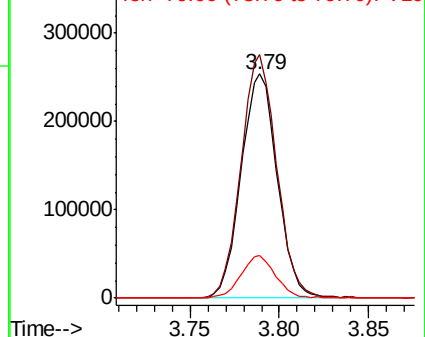
79 18.1 14.5 21.7

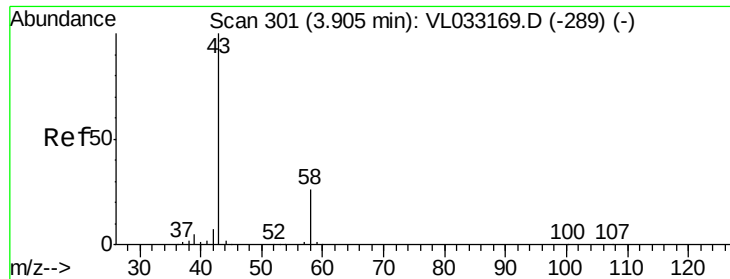


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.674 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033202.D

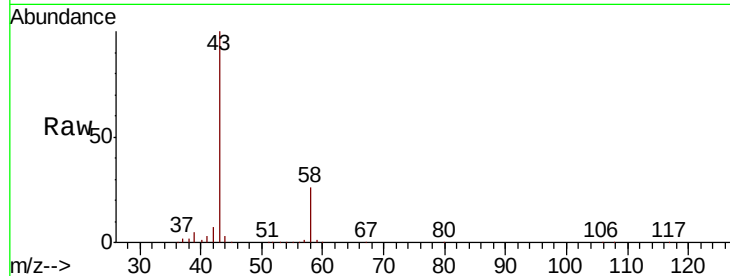
Acq: 14 Feb 2019 17:01

Tot Ion: 43 Resp: 844299

Ion Ratio Lower Upper

43 100

58 25.7 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

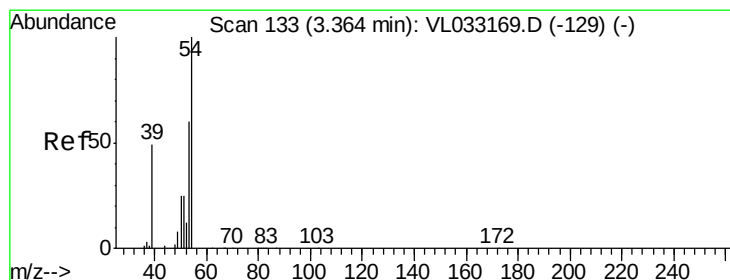
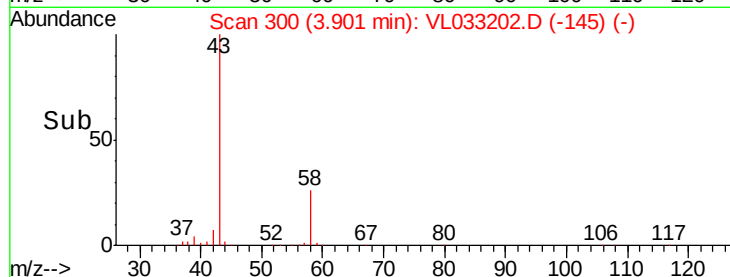
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.763 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033202.D

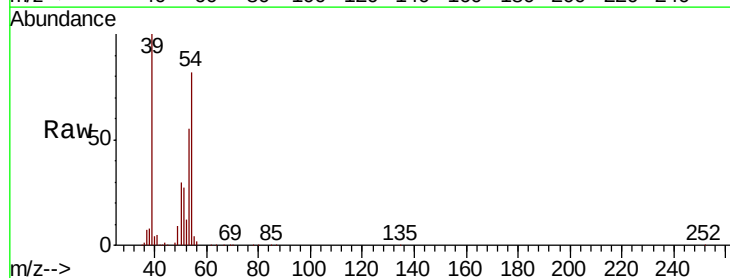
Acq: 14 Feb 2019 17:01

Tgt Ion: 39 Resp: 404430

Ion Ratio Lower Upper

39 100

54 92.1 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

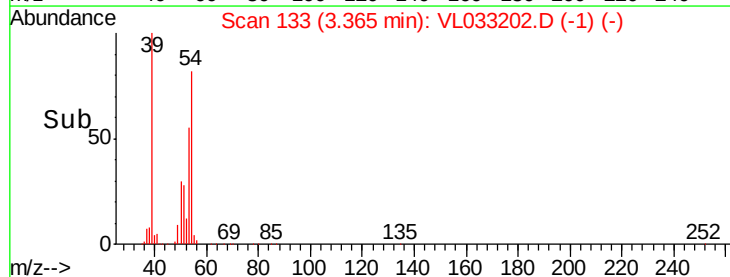
300000

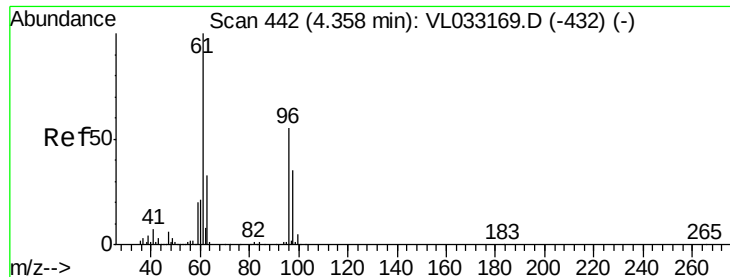
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 10.250 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033202.D

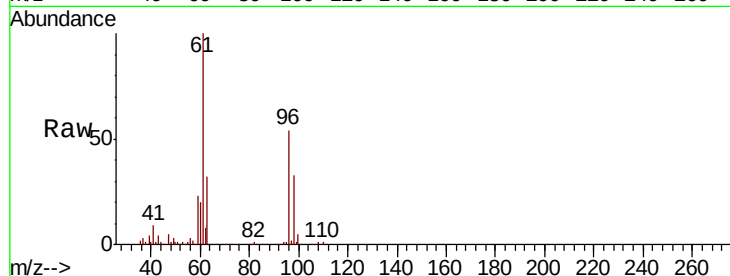
Acq: 14 Feb 2019 17:01

Tot Ion: 59 Resp: 171841

Ion Ratio Lower Upper

59 100

57 10.2 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

100000

80000

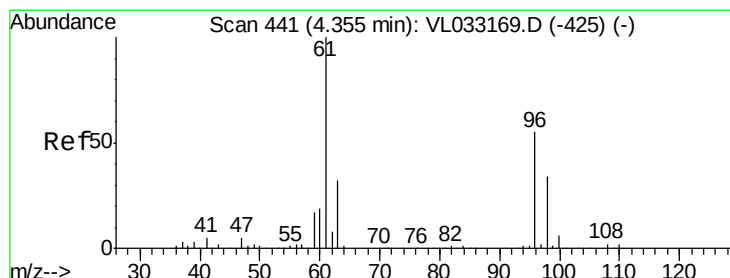
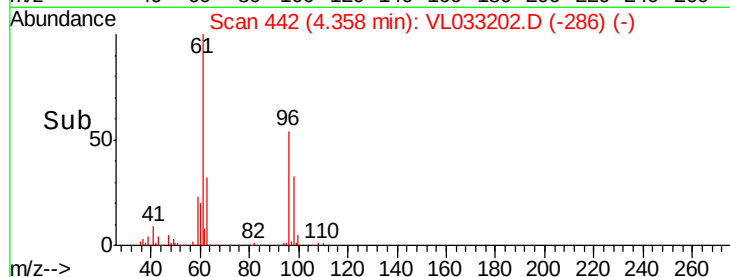
60000

40000

20000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.138 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

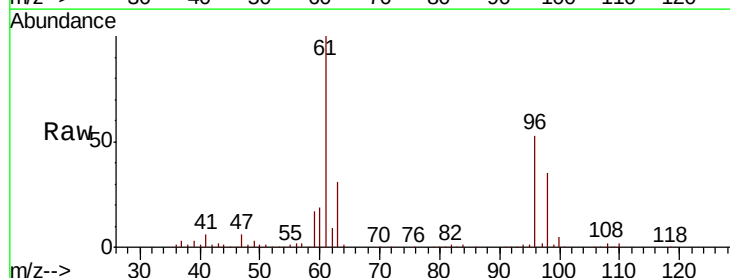
Tgt Ion: 96 Resp: 377083

Ion Ratio Lower Upper

96 100

61 189.1 145.0 217.6

98 66.3 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

500000

400000

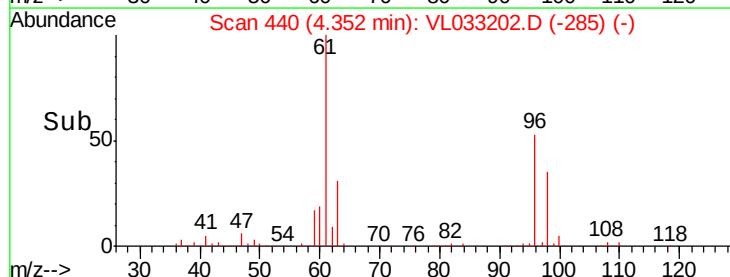
300000

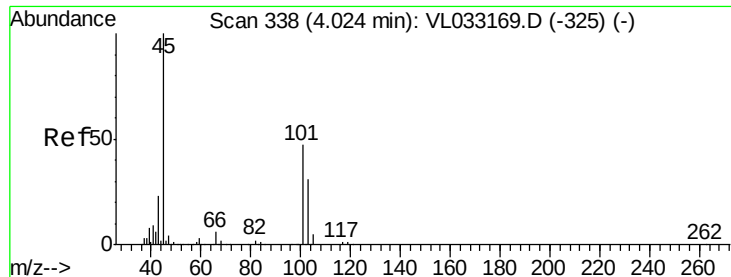
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.108 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033202.D

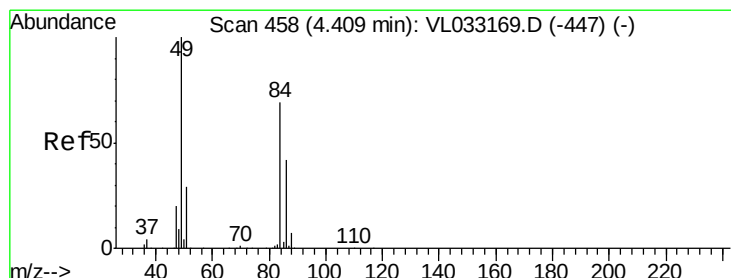
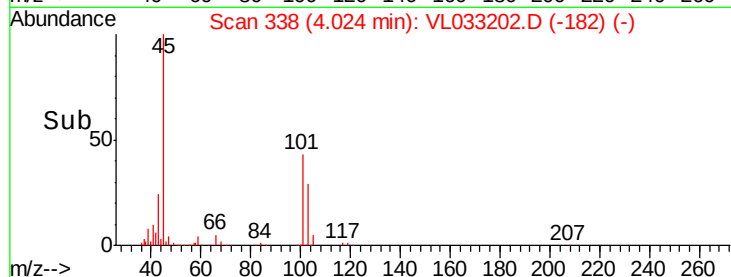
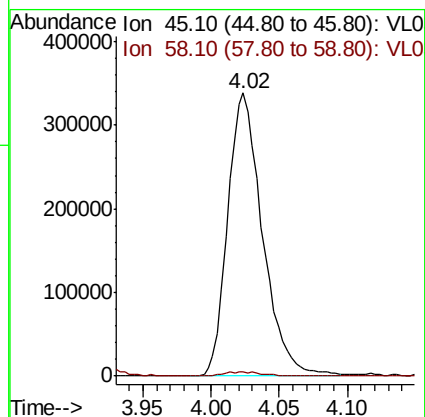
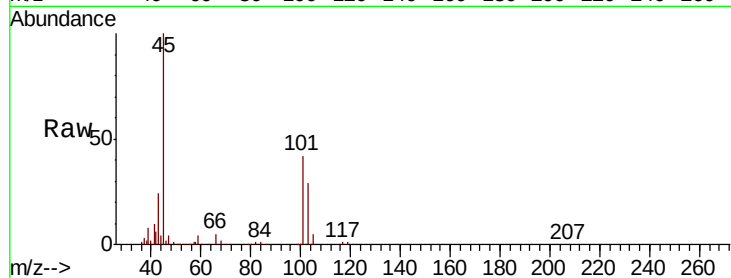
Acq: 14 Feb 2019 17:01

Tot Ion: 45 Resp: 598267

Ion Ratio Lower Upper

45 100

58 1.9 1.5 2.3



#20

Methylene Chloride

Concen: 9.372 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 84 Resp: 325354

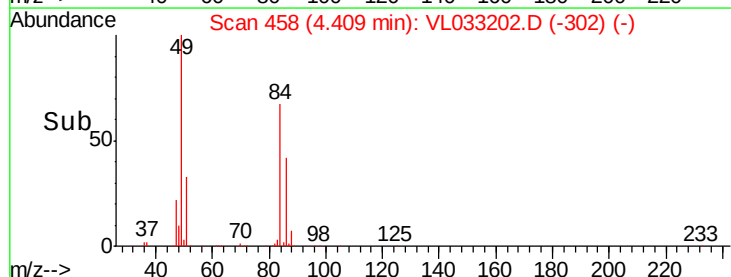
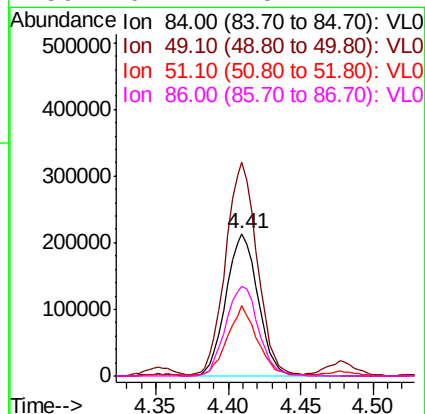
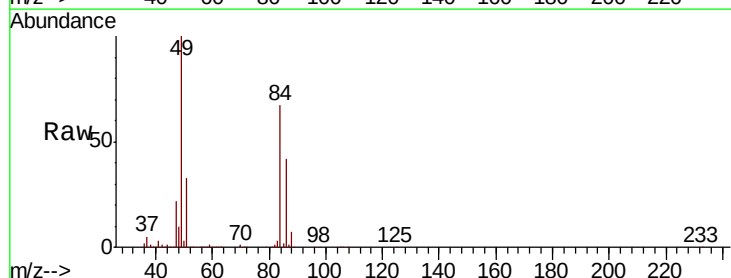
Ion Ratio Lower Upper

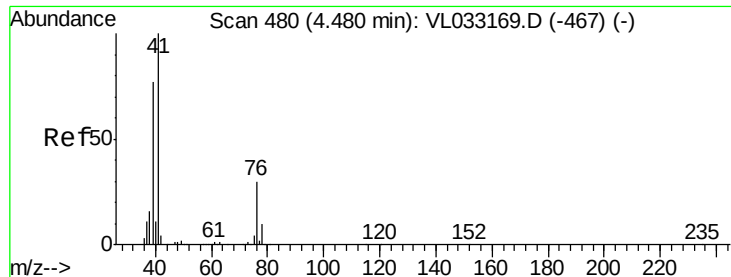
84 100

49 148.9 115.8 173.8

51 49.2 33.0 49.6

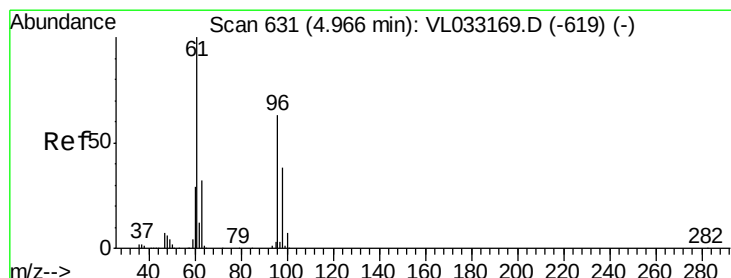
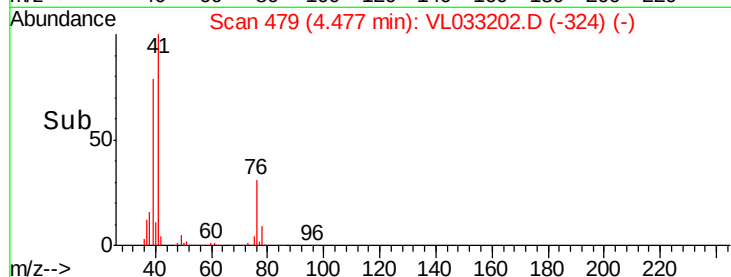
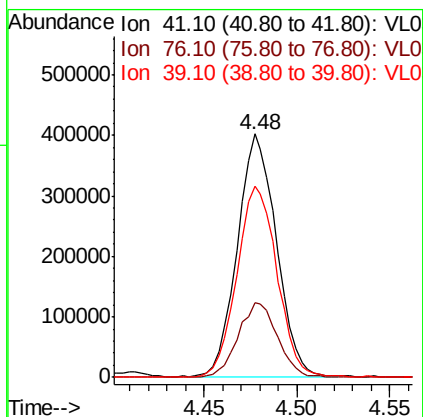
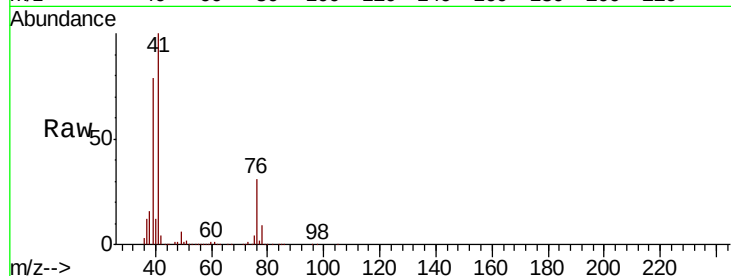
86 62.7 48.2 72.2





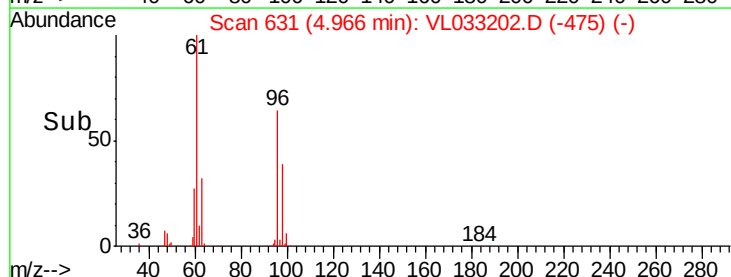
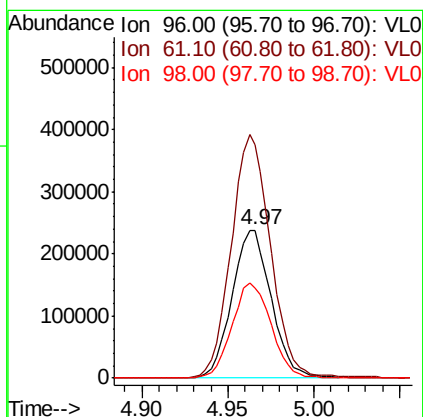
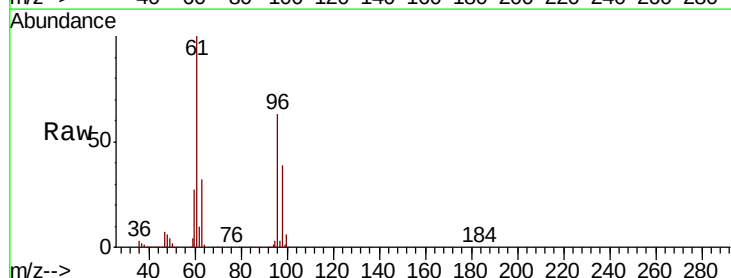
#21
 Allvl Chloride
 Concen: 10.161 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

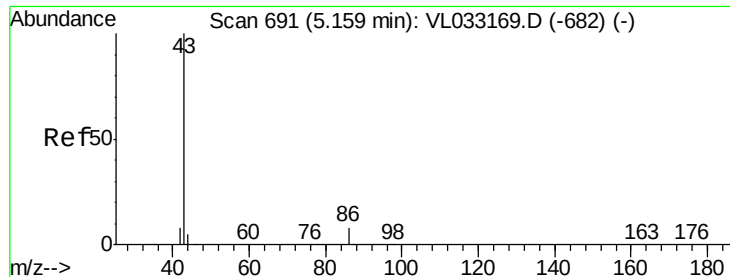
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.5	36.7
39	81.4	64.1	96.1



#22
 trans-1,2-Dichloroethene
 Concen: 10.463 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	126.4	189.6
98	60.8	48.4	72.6





#23

Vinyl Acetate

Concen: 10.105 ppbv

RT: 5.16 min Scan# 690

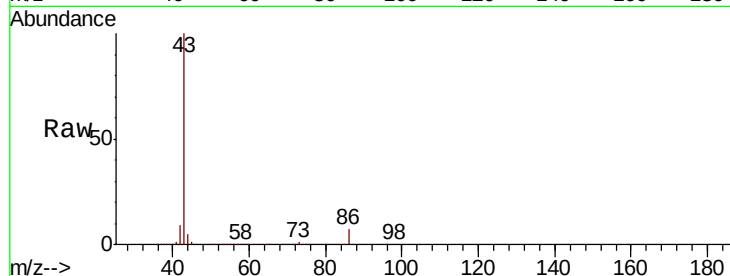
Delta R.T. -0.00 min

Lab File: VL033202.D

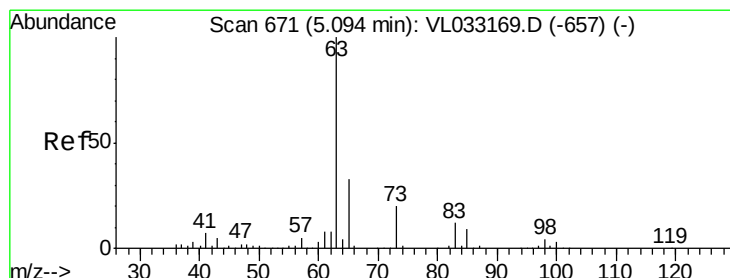
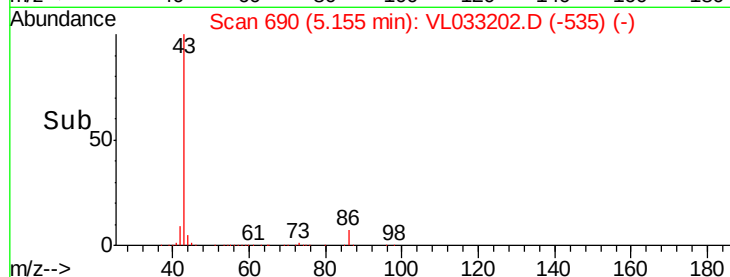
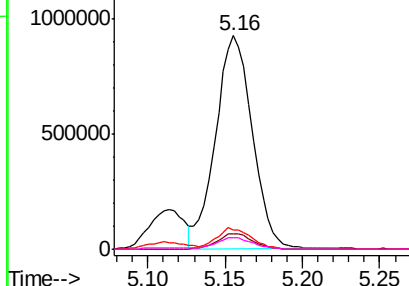
Acq: 14 Feb 2019 17:01

Tot Ion: 43 Resp: 1528355

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.2	7.4	11.0
44	5.2	3.7	5.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.674 ppbv

RT: 5.09 min Scan# 671

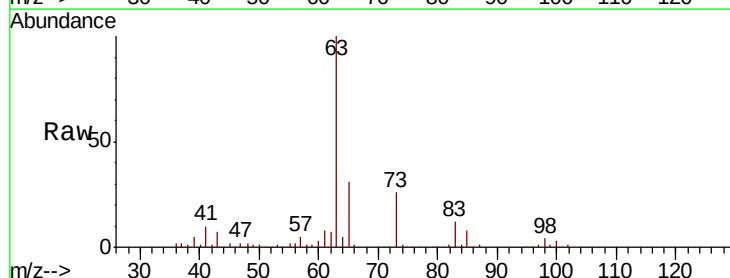
Delta R.T. 0.00 min

Lab File: VL033202.D

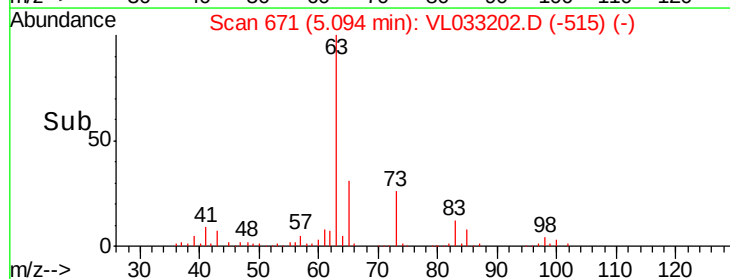
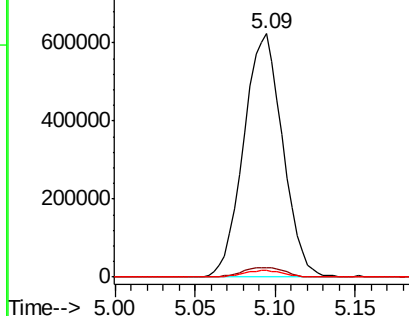
Acq: 14 Feb 2019 17:01

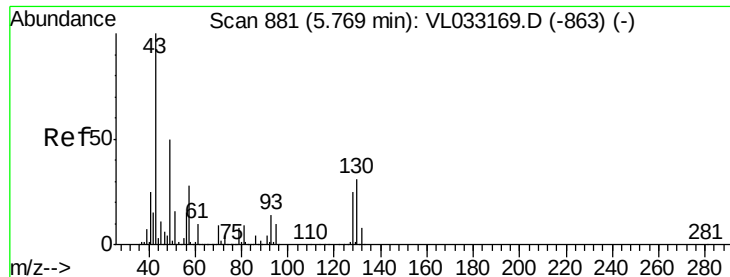
Tgt Ion: 63 Resp: 1034998

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.9	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.185 ppbv

RT: 5.77 min Scan# 881

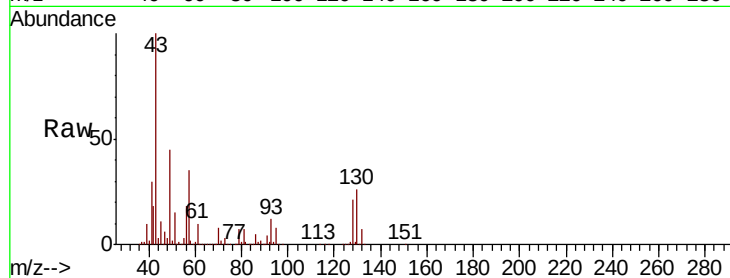
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion: 43 Resp: 1802364

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.5	11.3
70	7.1	5.8	8.8



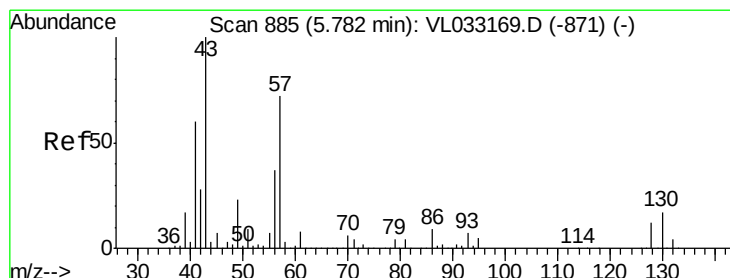
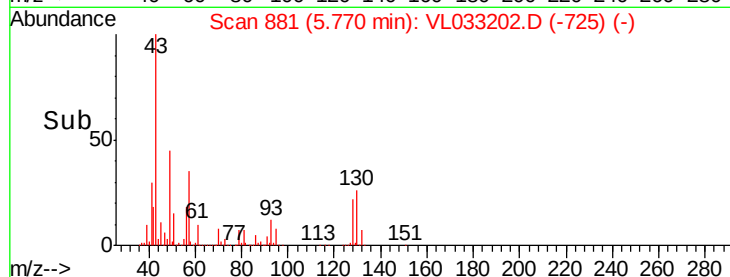
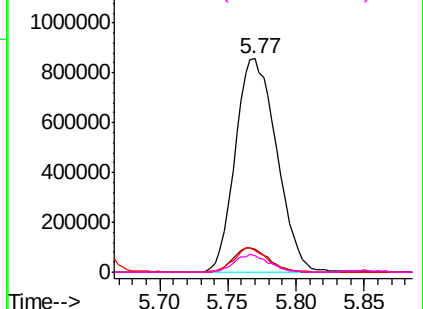
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.955 ppbv

RT: 5.78 min Scan# 885

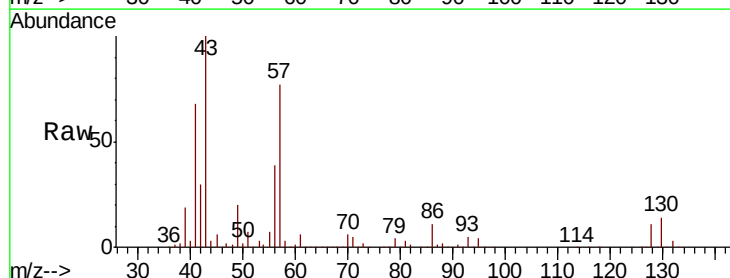
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 57 Resp: 824949

Ion	Ratio	Lower	Upper
57	100		
41	88.9	69.4	104.2
43	219.8	176.7	265.1
56	52.3	41.4	62.0



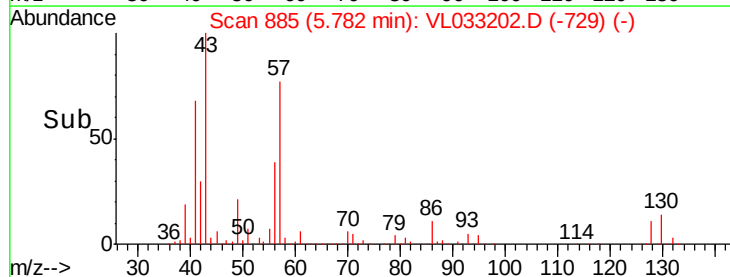
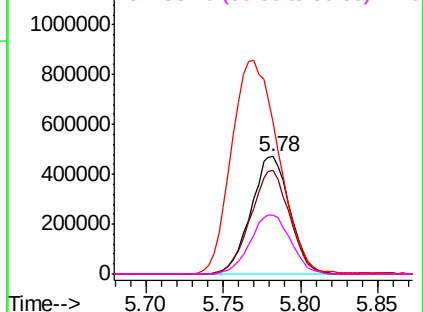
Abundance

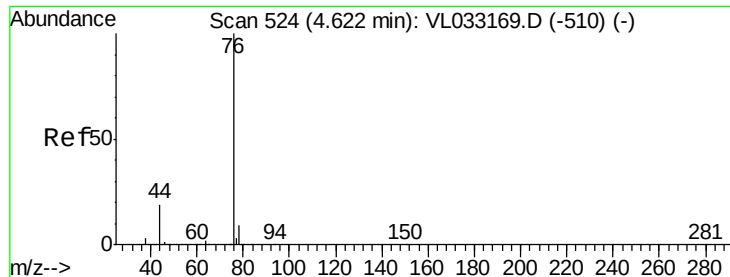
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.115 ppbv

RT: 4.62 min Scan# 524

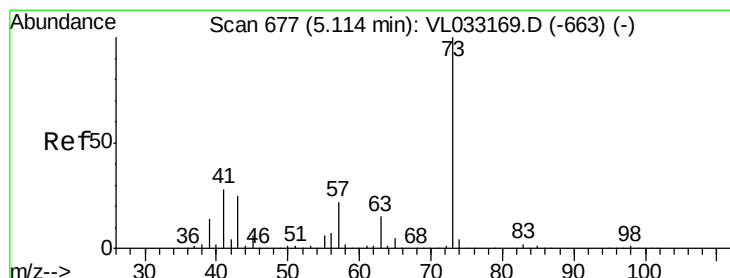
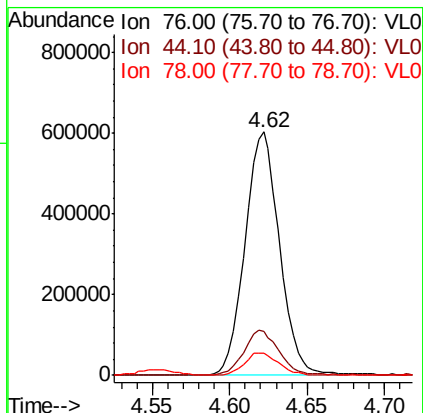
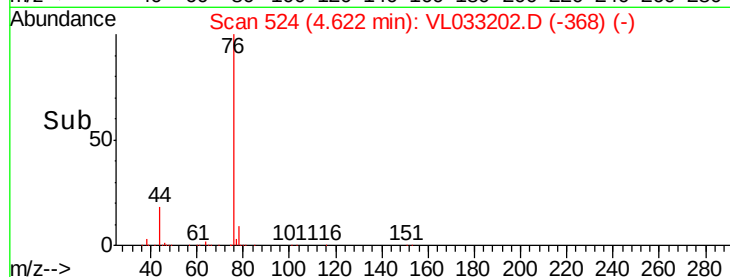
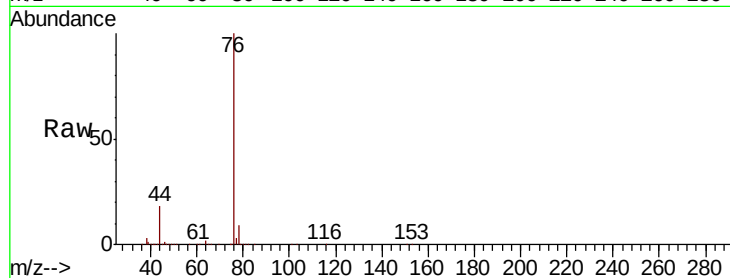
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion: 76 Resp: 937947

Ion	Ratio	Lower	Upper
76	100		
44	18.5	15.0	22.4
78	9.3	7.4	11.0



#28

Methyl tert-Butyl Ether

Concen: 9.527 ppbv

RT: 5.11 min Scan# 677

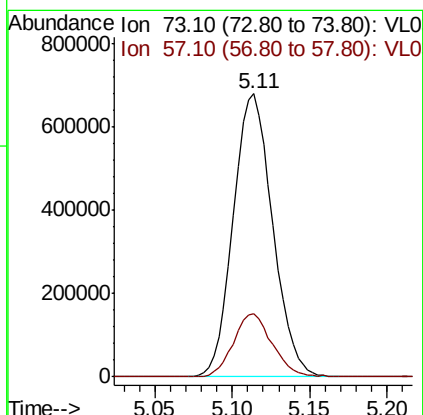
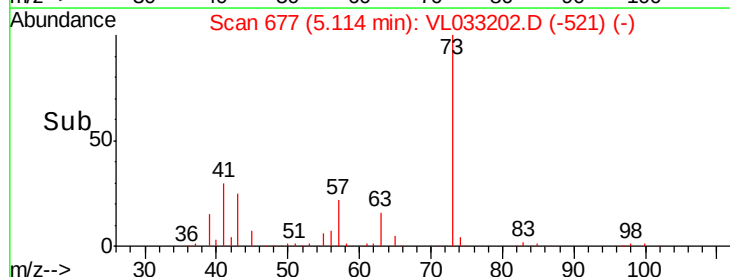
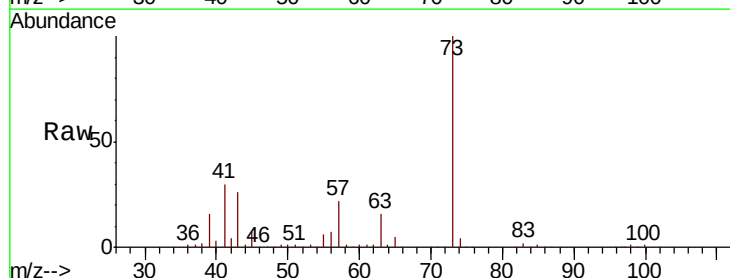
Delta R.T. 0.00 min

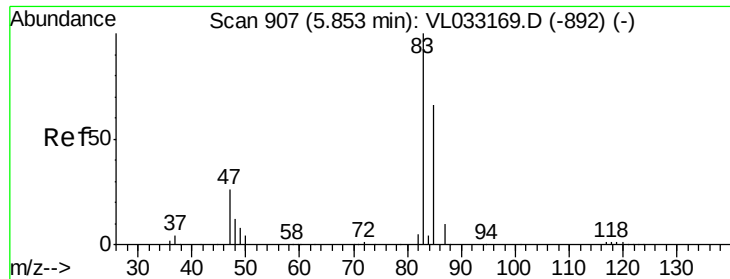
Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 73 Resp: 1199227

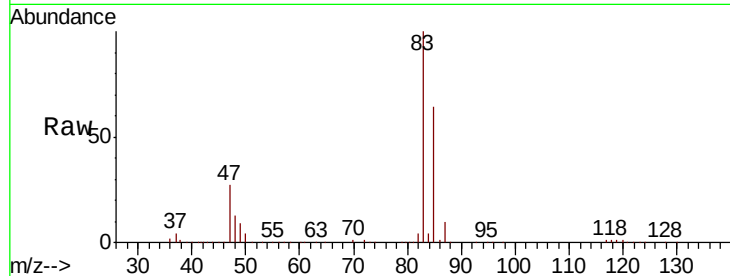
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.9	26.9



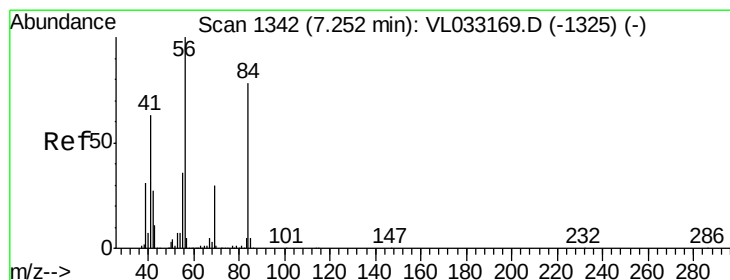
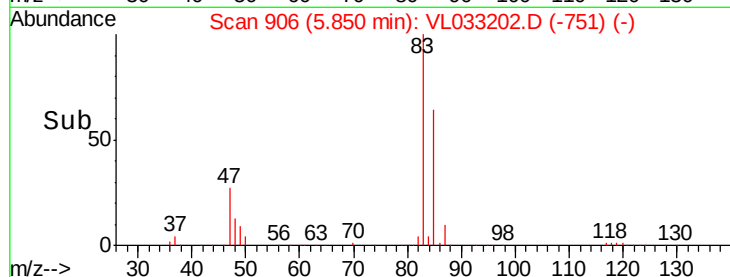
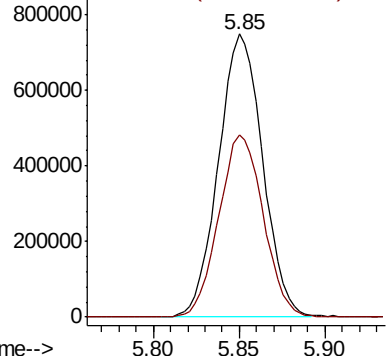


#29
Chloroform
Concen: 9.446 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tot Ion: 83 Resp: 1333516
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8

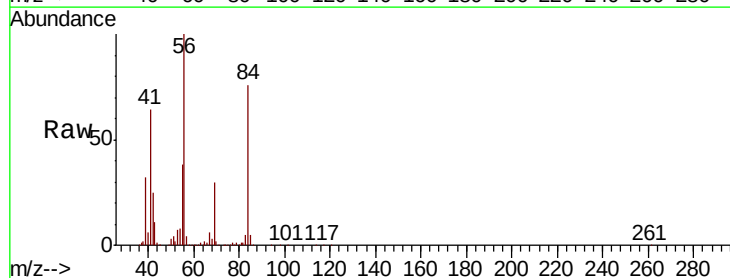


Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

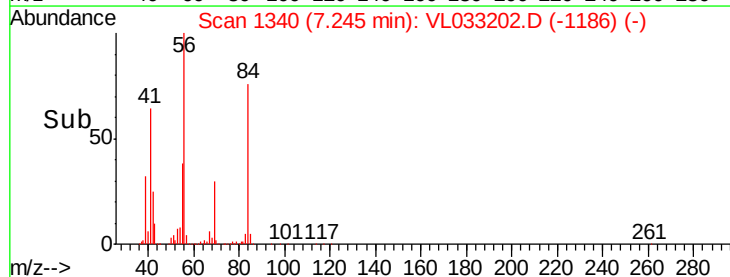
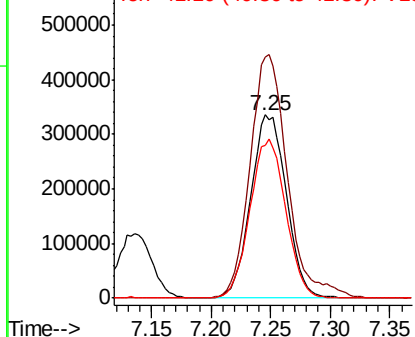


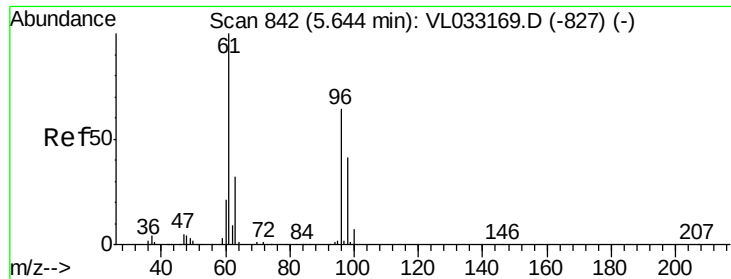
#30
Cyclohexane
Concen: 8.150 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 84 Resp: 696540
Ion Ratio Lower Upper
84 100
56 139.4 109.5 164.3
41 87.3 66.6 100.0



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

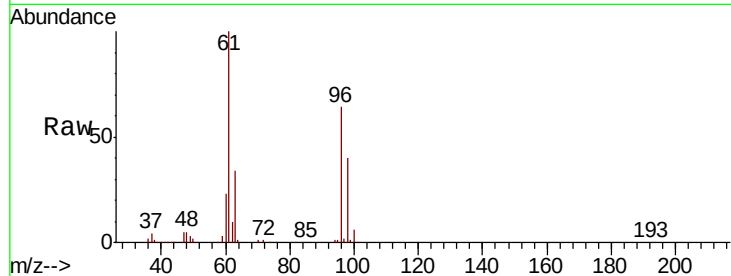




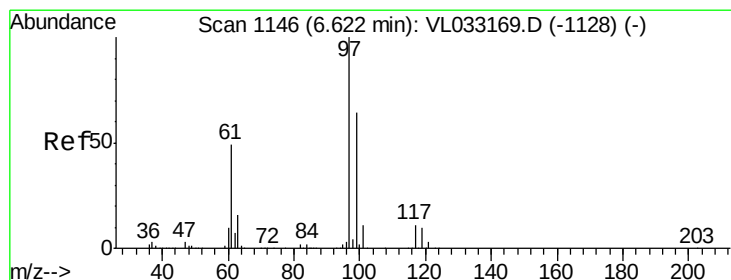
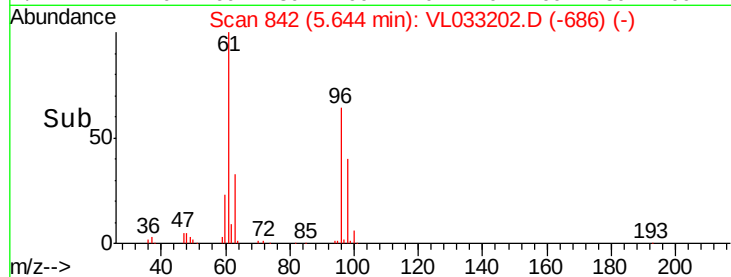
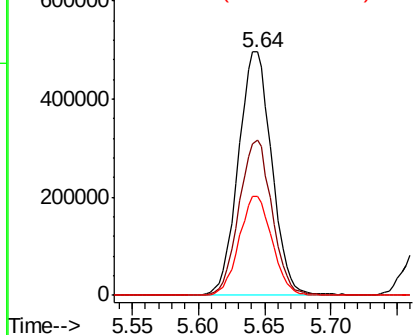
#31

cis-1,2-Dichloroethene
Concen: 9.441 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.2	76.8
98	40.4	32.8	49.2



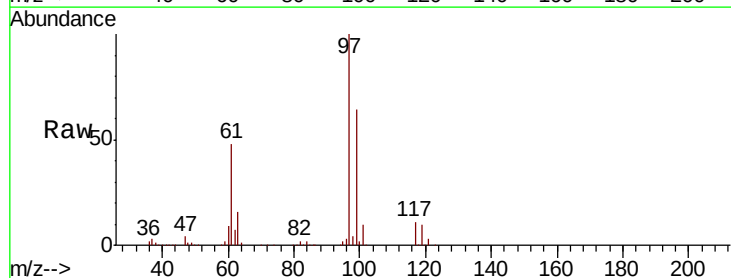
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



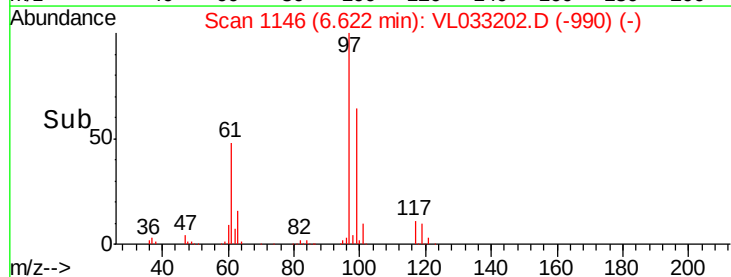
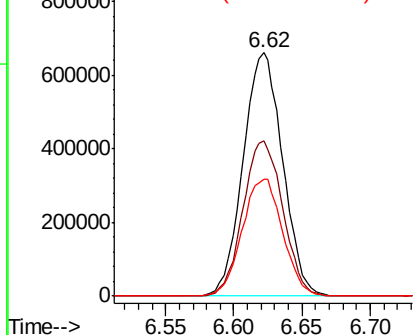
#32

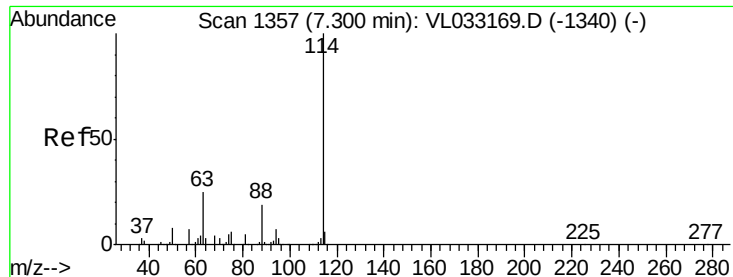
1,1,1-Trichloroethane
Concen: 8.555 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	49.6	38.8	58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

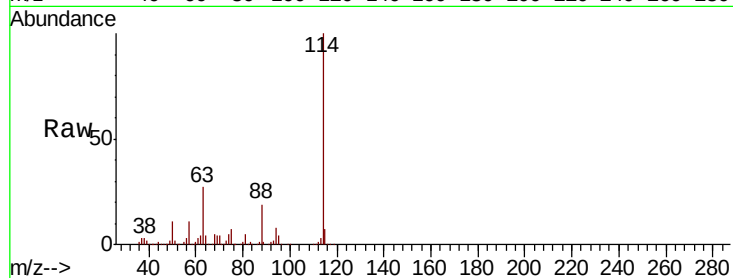
Tot Ion:114 Resp: 1819845

Ion Ratio Lower Upper

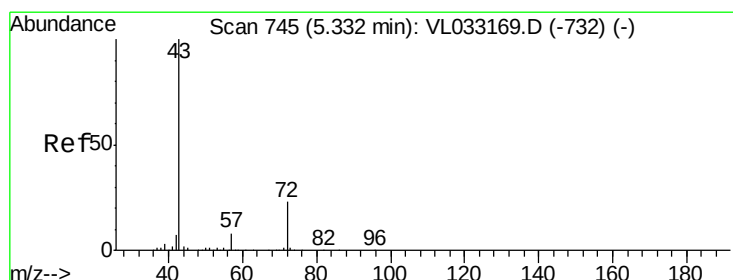
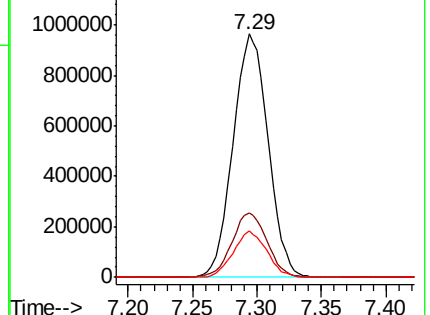
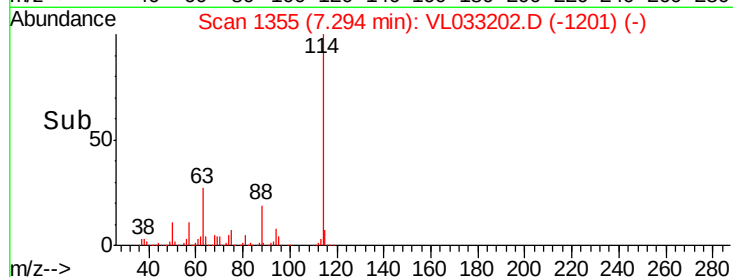
114 100

63 27.0 20.8 31.2

88 18.3 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.723 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033202.D

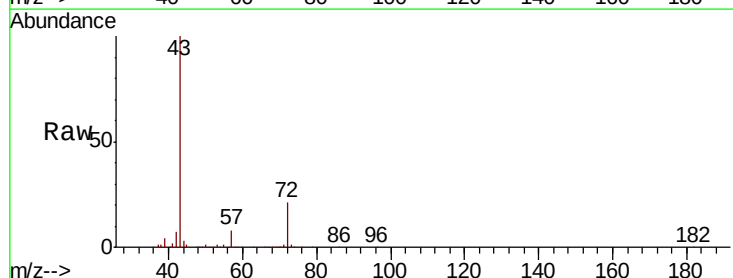
Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1237829

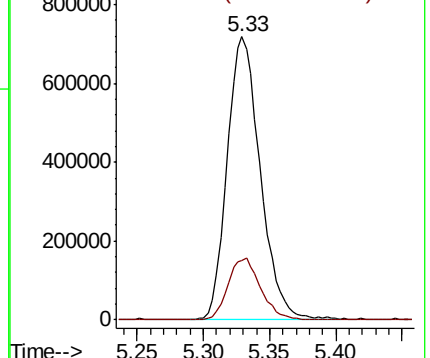
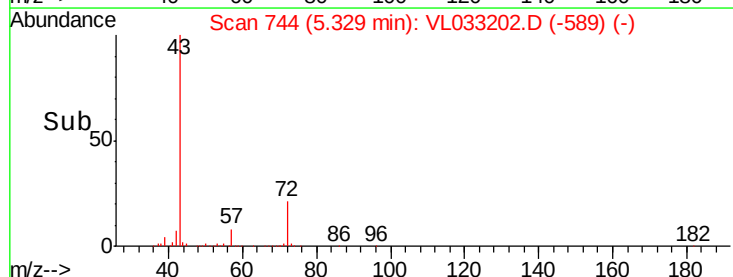
Ion Ratio Lower Upper

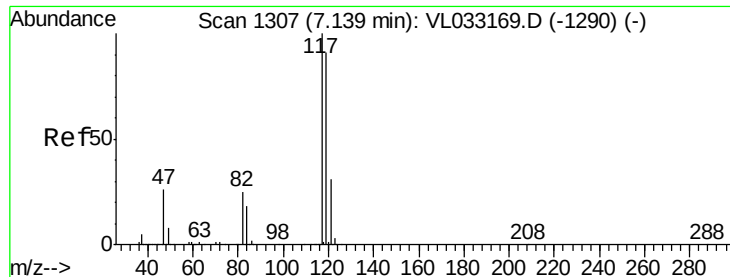
43 100

72 21.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.812 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

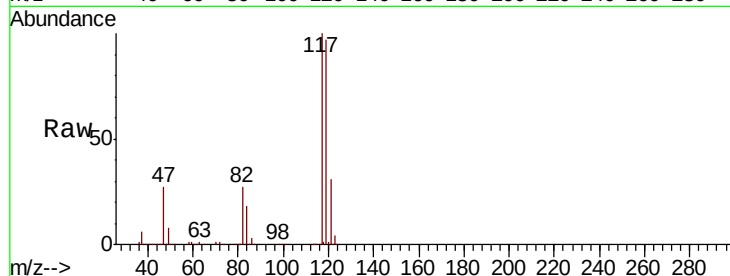
Tot Ion:117 Resp: 1363692

Ion Ratio Lower Upper

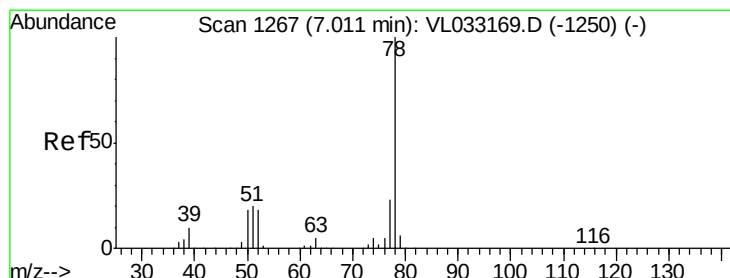
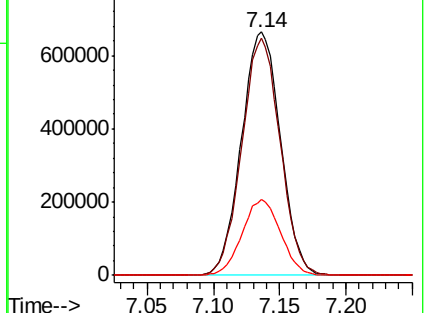
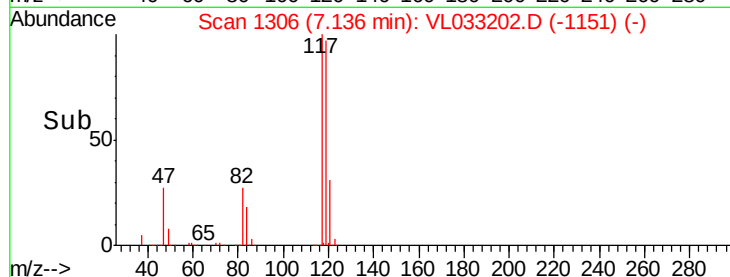
117 100

119 97.2 73.0 109.6

121 30.9 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.452 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

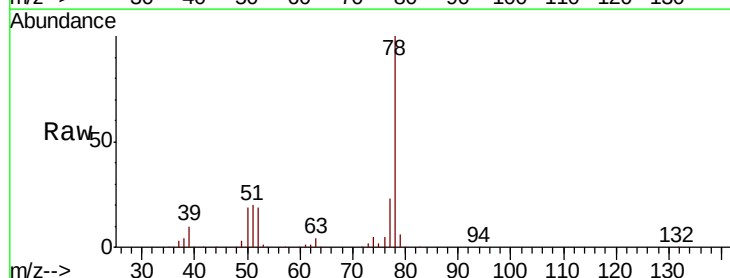
Tgt Ion: 78 Resp: 1743397

Ion Ratio Lower Upper

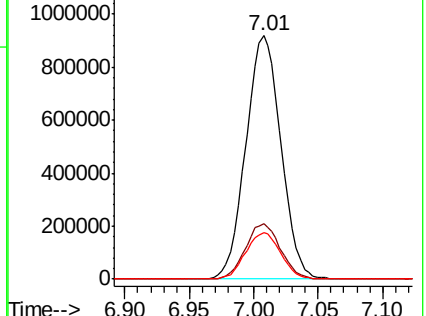
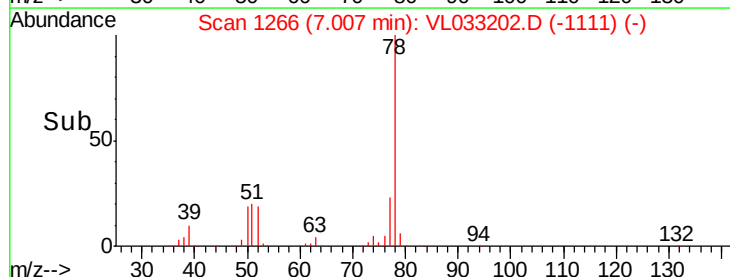
78 100

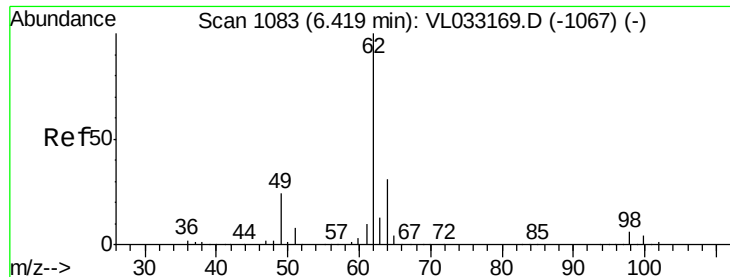
77 22.6 18.0 27.0

50 19.3 14.2 21.2



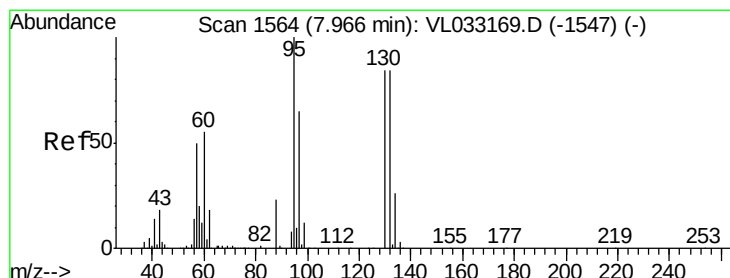
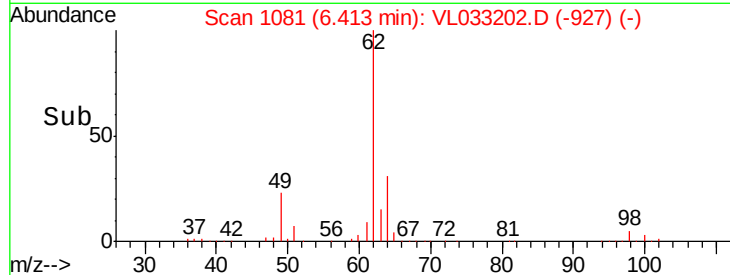
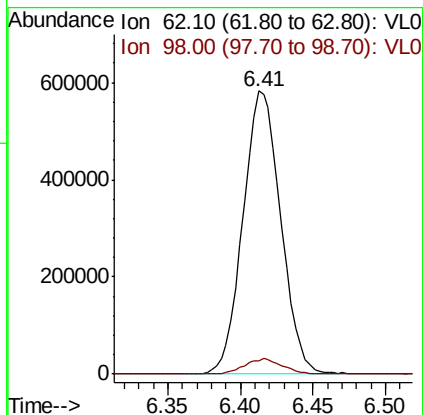
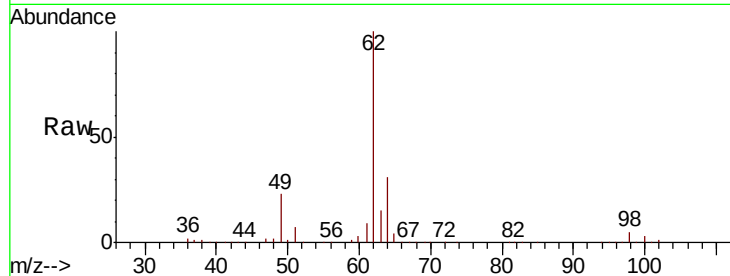
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





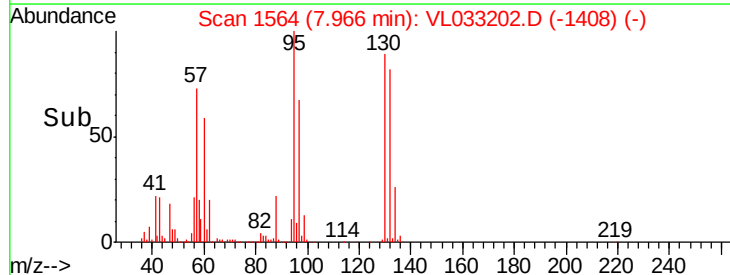
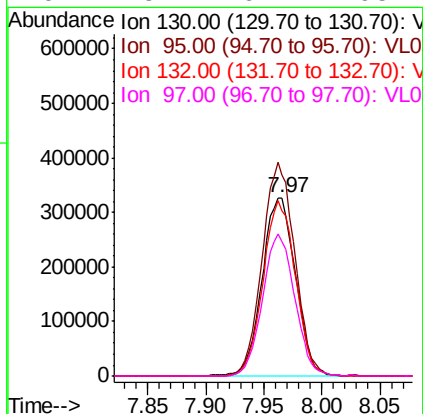
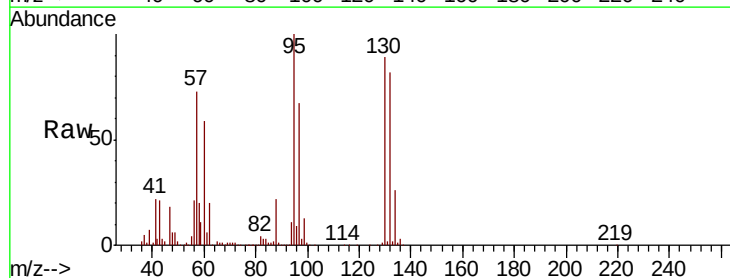
#37
 1,2-Dichloroethane
 Concen: 10.341 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

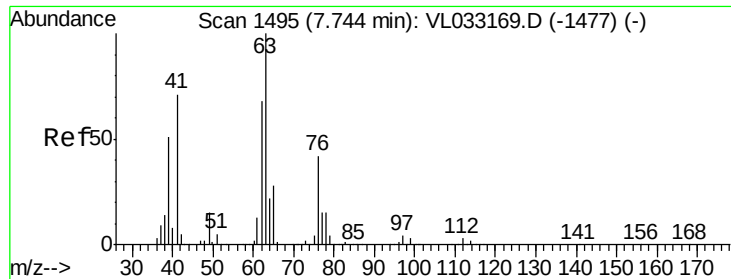
Tot Ion: 62 Resp: 1056980
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.7 7.1



#38
 Trichloroethene
 Concen: 8.300 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:130 Resp: 654202
 Ion Ratio Lower Upper
 130 100
 95 112.8 95.5 143.3
 132 93.0 80.0 120.0
 97 75.7 62.2 93.2





#39

1,2-Dichloropropane

Concen: 9.178 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

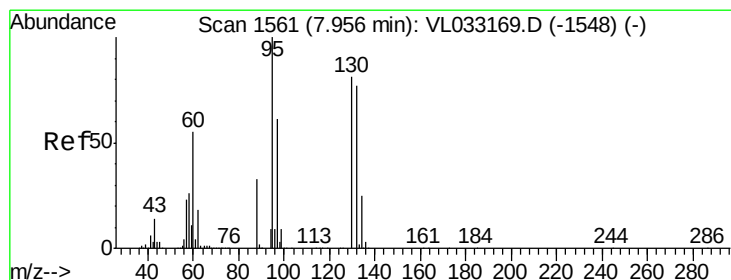
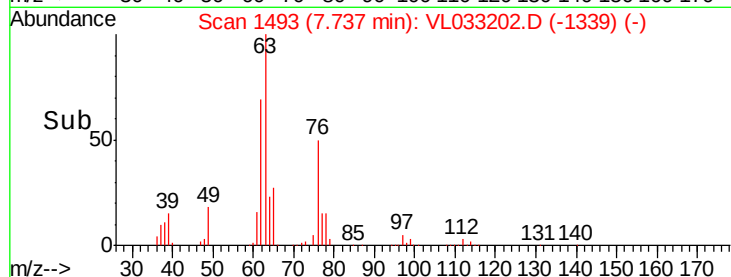
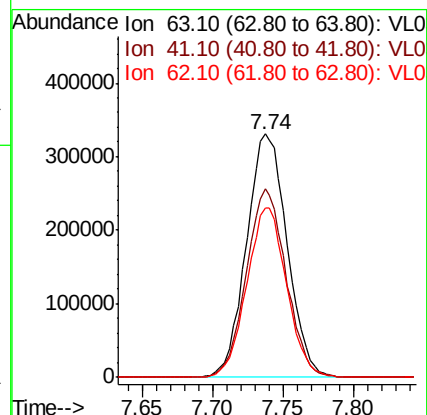
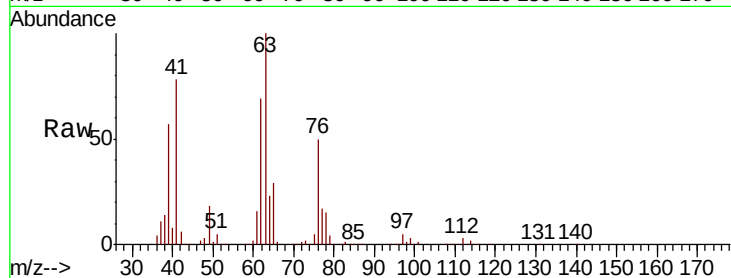
Tot Ion: 63 Resp: 668527

Ion Ratio Lower Upper

63 100

41 77.5 56.4 84.6

62 69.3 54.2 81.4



#40

1,4-Dioxane

Concen: 9.303 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 88 Resp: 240599

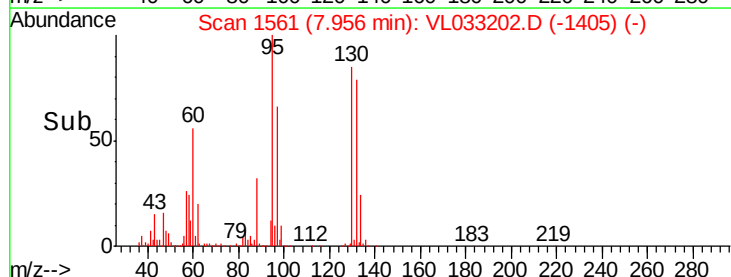
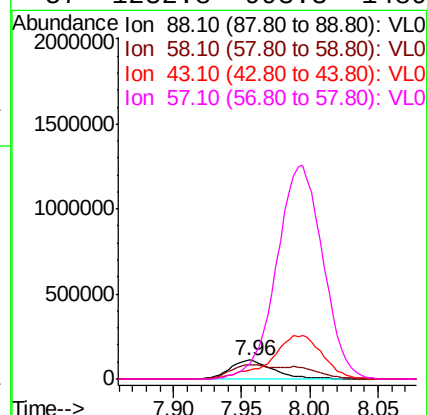
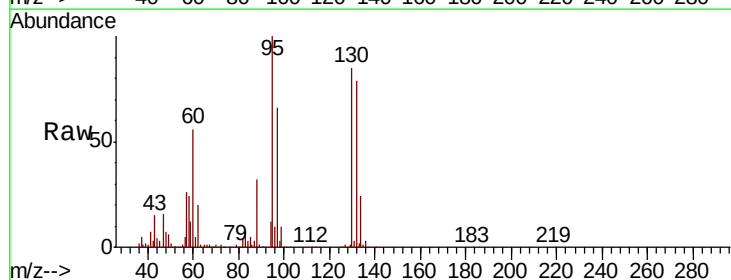
Ion Ratio Lower Upper

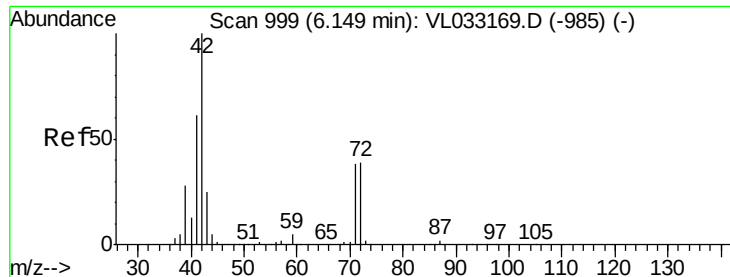
88 100

58 132.2 106.4 159.6

43 277.5 219.6 329.4

57 1232.8 993.3 1489.9





#41

Tetrahydrofuran

Concen: 10.077 ppbv

RT: 6.15 min Scan# 999

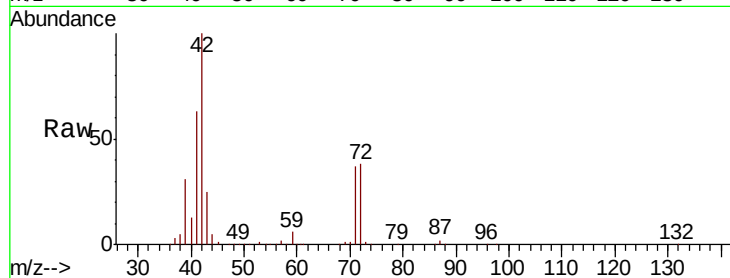
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion: 42 Resp: 719066

Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.2
71	37.6	30.2	45.2

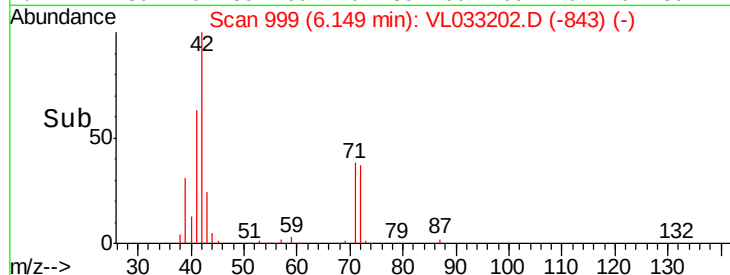


Abundance

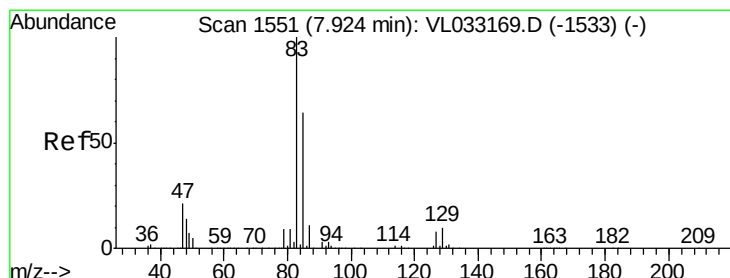
Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 10.306 ppbv

RT: 7.92 min Scan# 1549

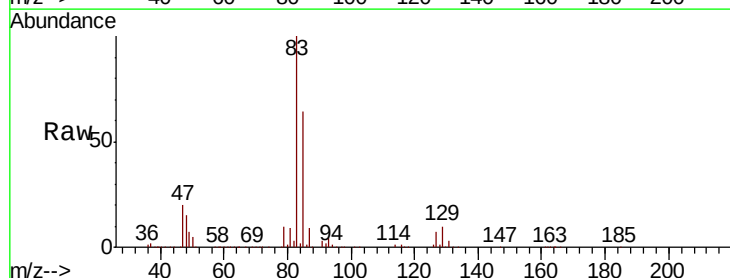
Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 83 Resp: 1526502

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	7.4	6.4	9.6

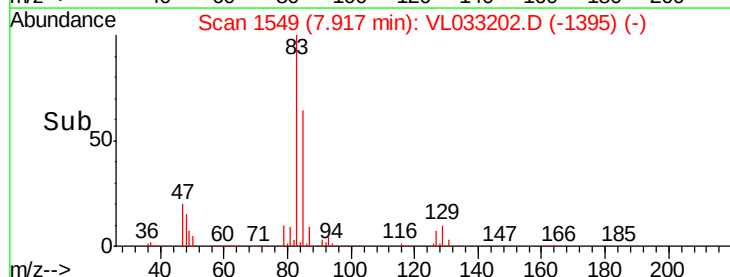


Abundance

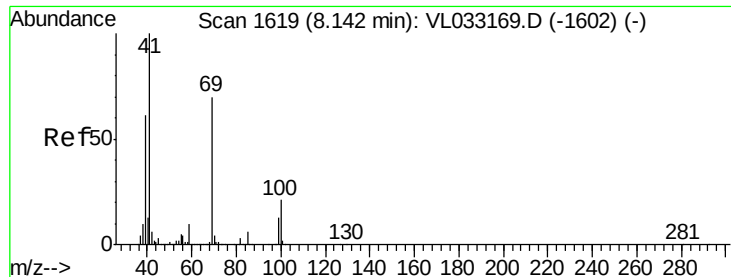
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



Time-->



#43

Methyl Methacrylate

Concen: 9.660 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

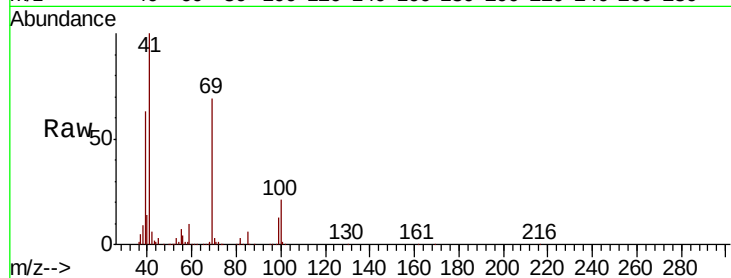
Tot Ion: 69 Resp: 715278

Ion Ratio Lower Upper

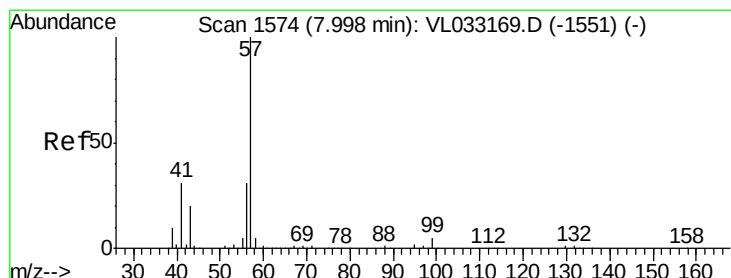
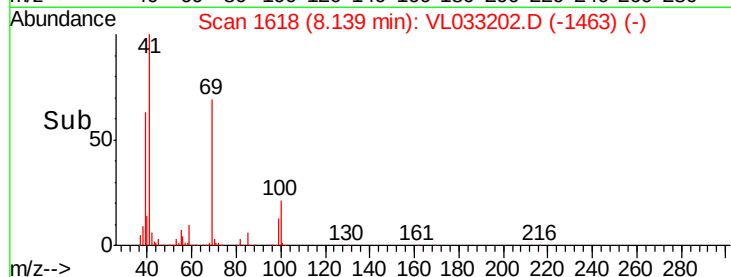
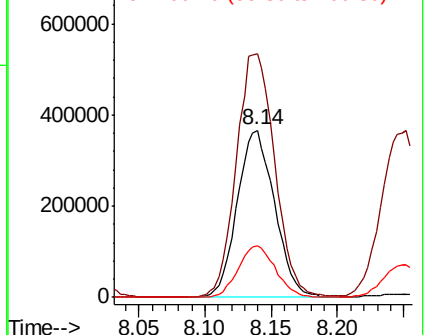
69 100

41 150.0 117.1 175.7

100 30.9 25.0 37.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.461 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

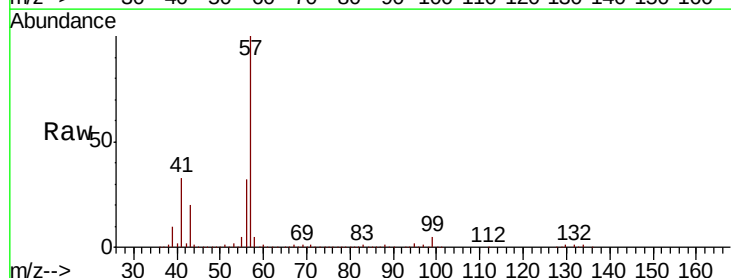
Tgt Ion: 57 Resp: 2956954

Ion Ratio Lower Upper

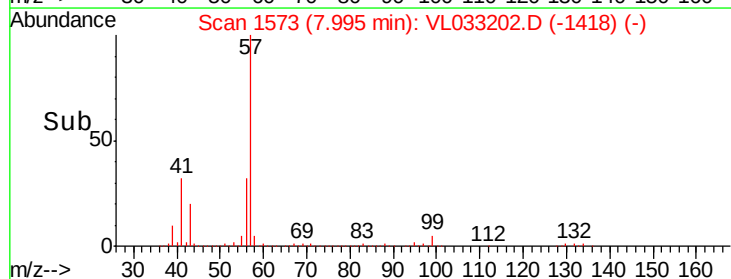
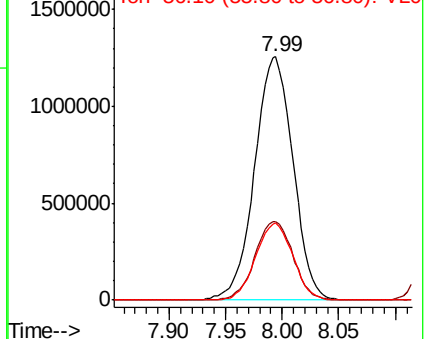
57 100

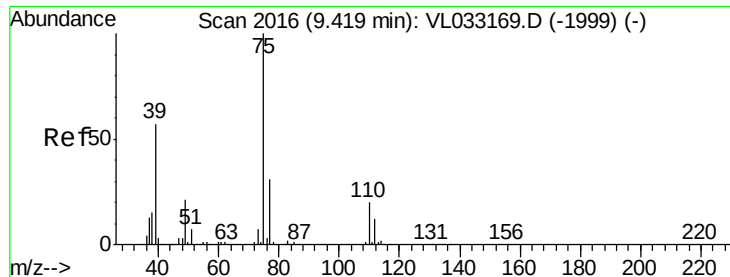
41 32.1 25.2 37.8

56 30.8 24.5 36.7



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.790 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033202.D

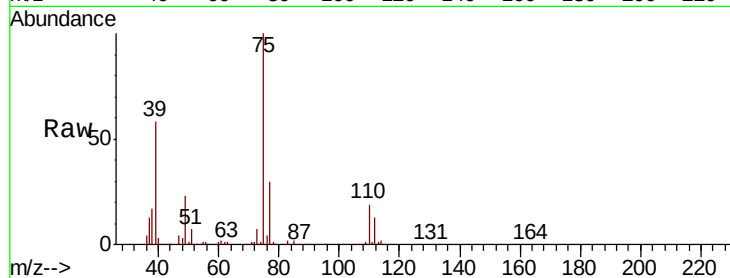
Acq: 14 Feb 2019 17:01

Tot Ion: 75 Resp: 966708

Ion Ratio Lower Upper

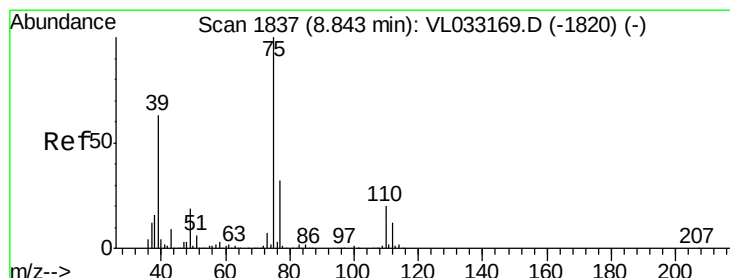
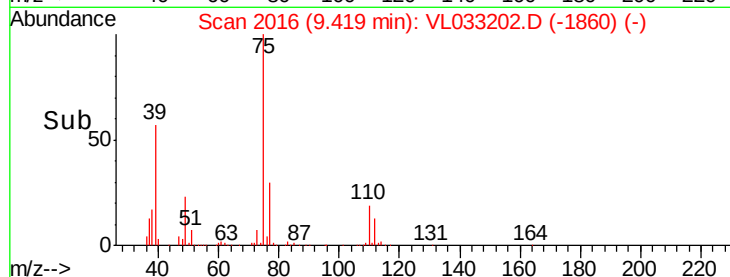
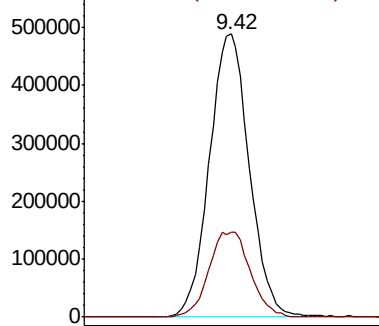
75 100

77 30.2 25.0 37.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.576 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

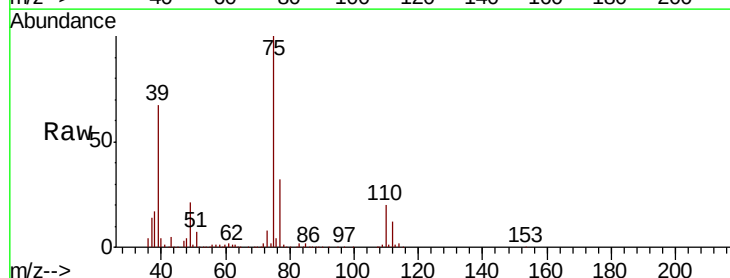
Tgt Ion: 75 Resp: 1108147

Ion Ratio Lower Upper

75 100

39 66.9 50.1 75.1

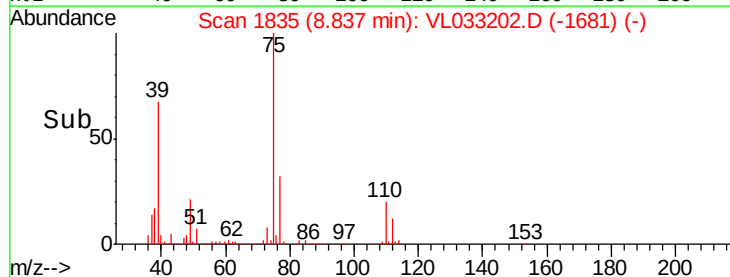
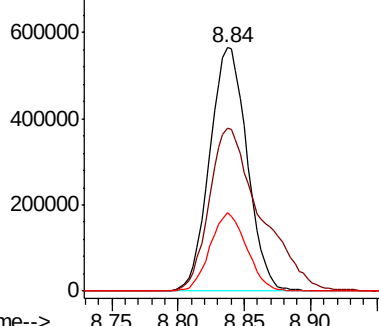
77 32.2 25.4 38.2

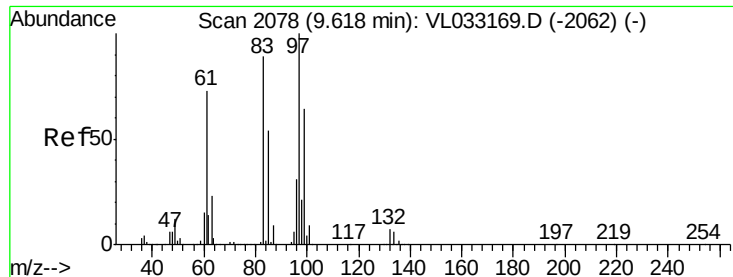


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.591 ppbv

RT: 9.62 min Scan# 2079

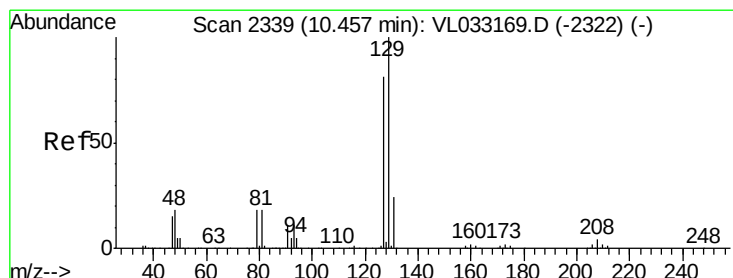
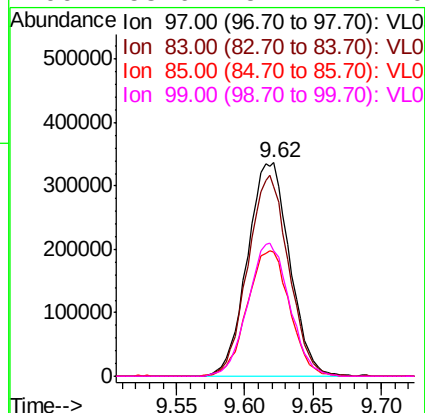
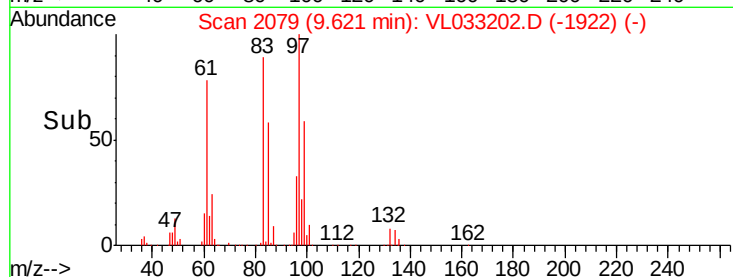
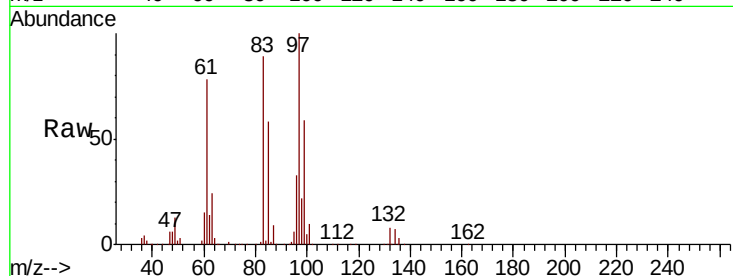
Delta R.T. 0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion: 97 Resp: 724507

Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.4	107.2
85	58.2	43.5	65.3
99	58.6	51.4	77.0



#48

Dibromochloromethane

Concen: 10.609 ppbv

RT: 10.45 min Scan# 2338

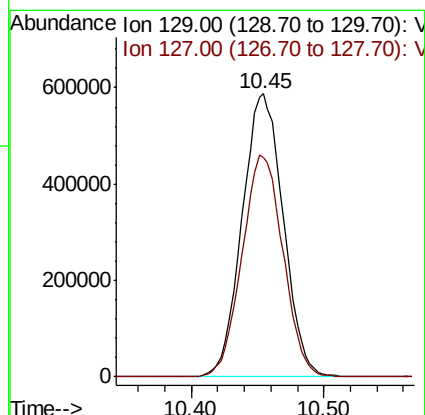
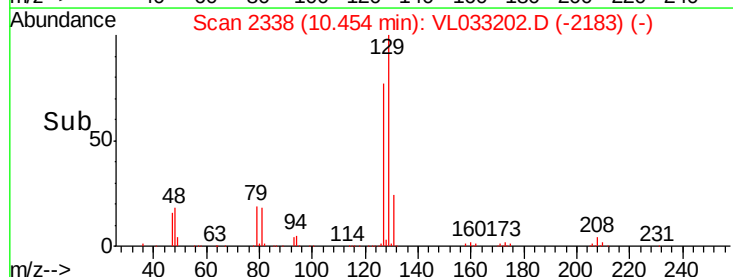
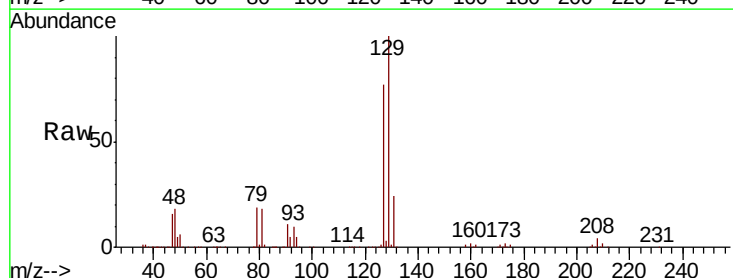
Delta R.T. -0.00 min

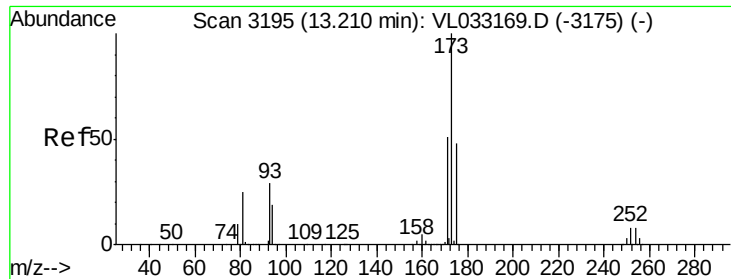
Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 129 Resp: 1262518

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3





#49

Bromoform

Concen: 11.261 ppbv

RT: 13.20 min Scan# 3193

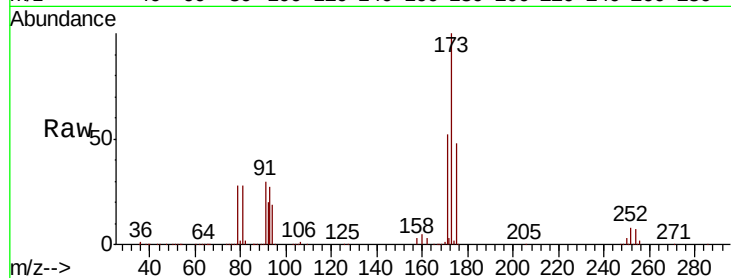
Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion:173 Resp: 1153084

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	52.9	41.6	62.4

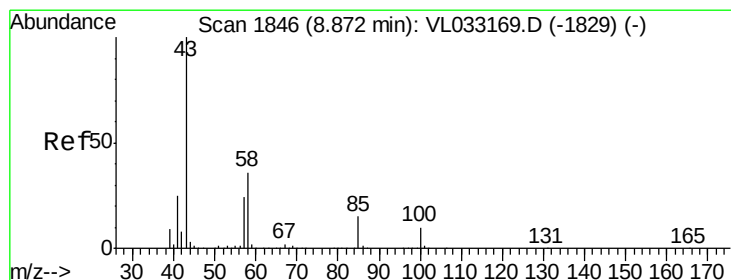
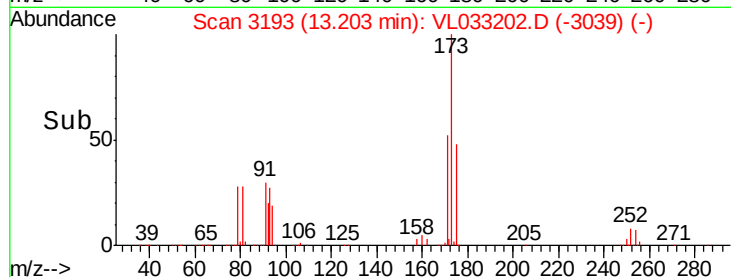
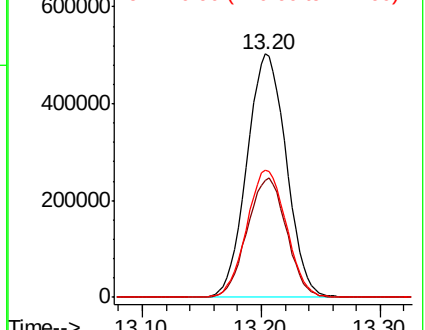


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.958 ppbv

RT: 8.87 min Scan# 1845

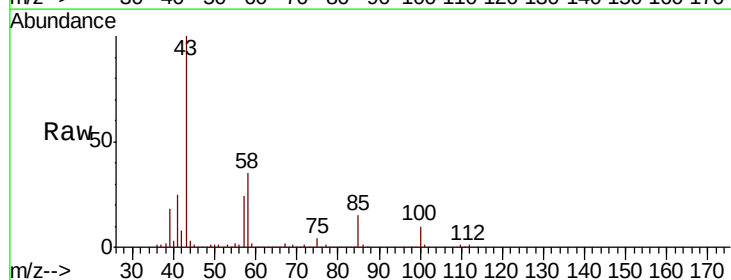
Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 43 Resp: 1843346

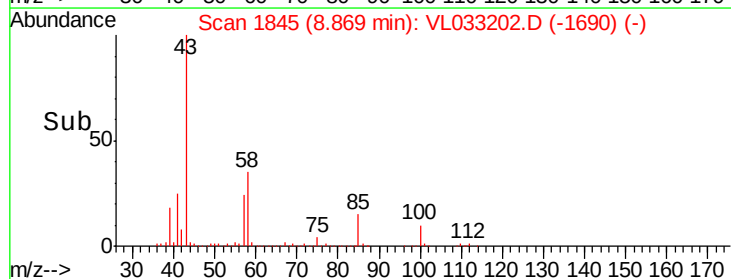
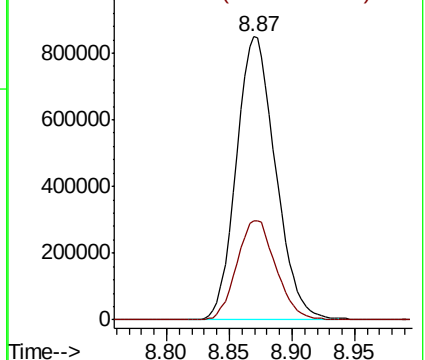
Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.6

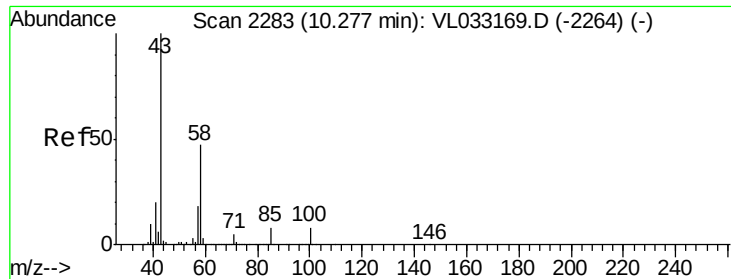


Abundance

Ion 43.10 (42.80 to 43.80): VL0

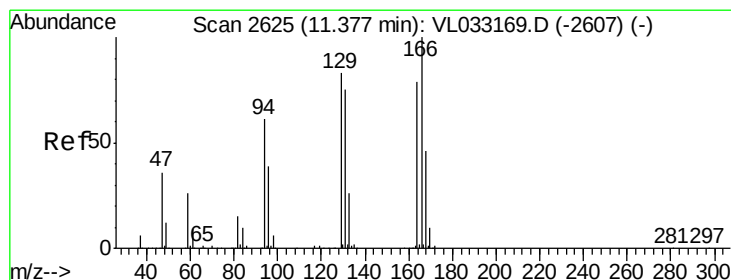
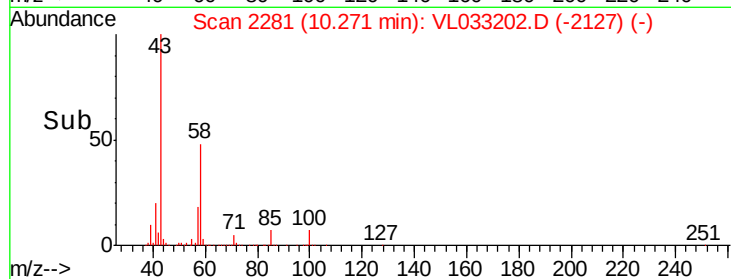
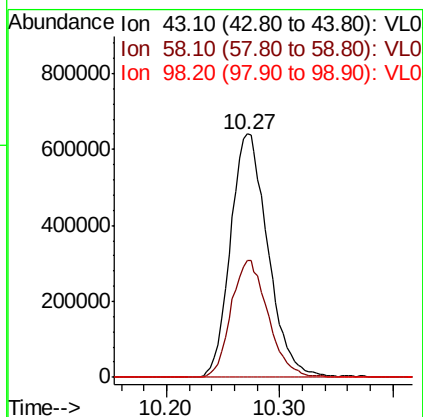
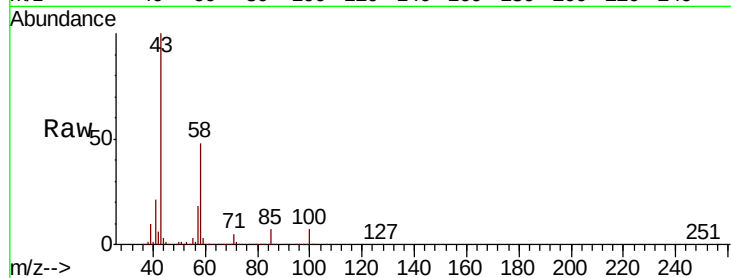
Ion 58.10 (57.80 to 58.80): VL0





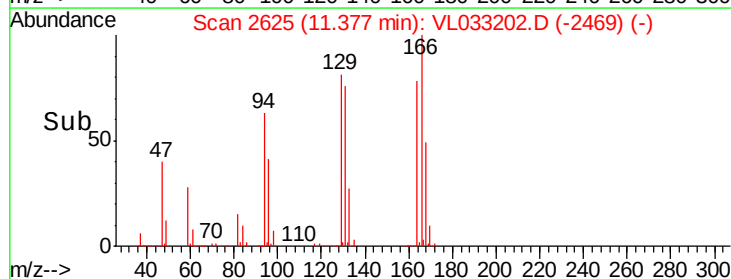
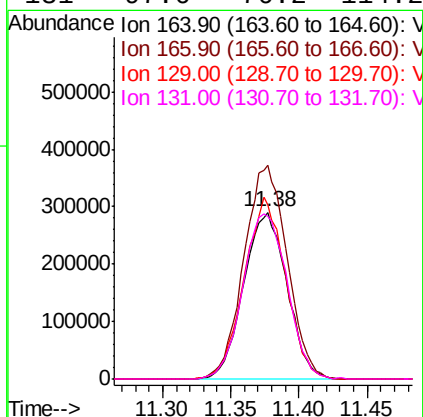
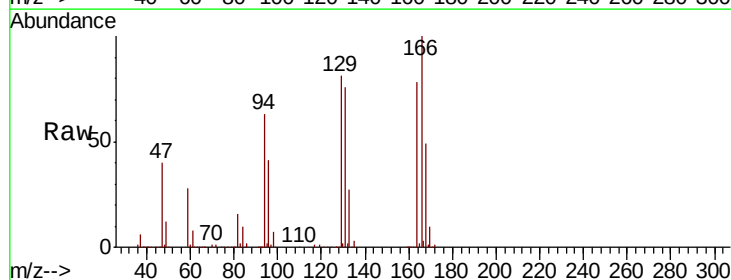
#51
2-Hexanone
Concen: 10.107 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

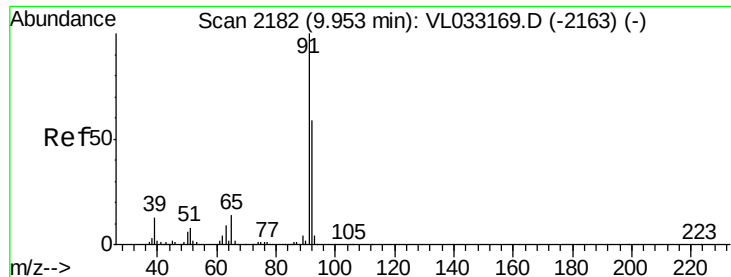
Tot Ion: 43 Resp: 1475130
Ion Ratio Lower Upper
43 100
58 47.6 39.0 58.6
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.000 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 164 Resp: 637745
Ion Ratio Lower Upper
164 100
166 128.0 100.9 151.3
129 104.2 83.9 125.9
131 97.6 76.2 114.2





#53

Toluene

Concen: 9.614 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033202.D

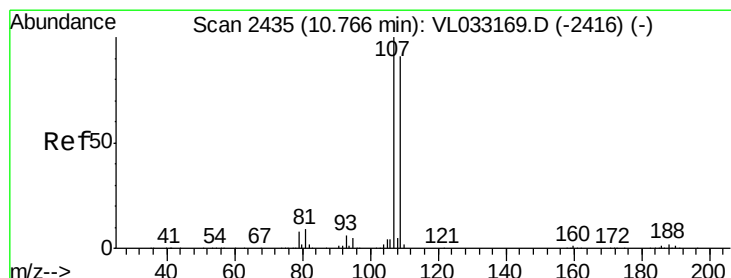
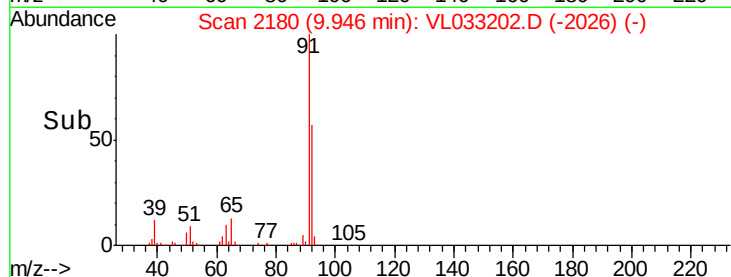
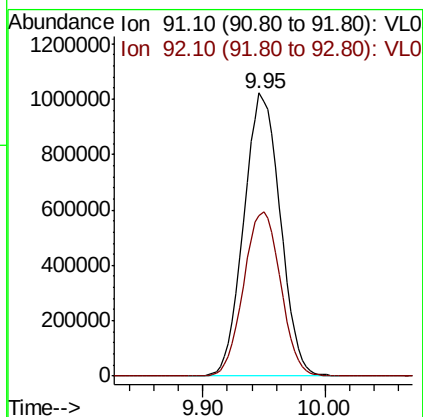
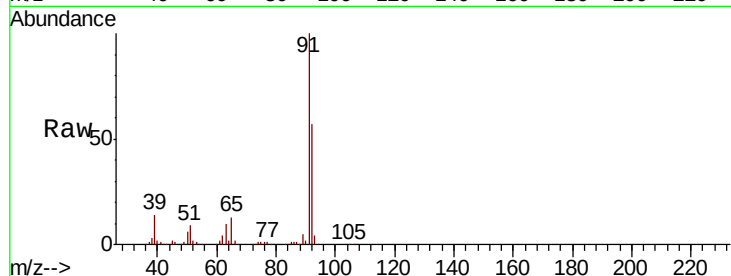
Acq: 14 Feb 2019 17:01

Tot Ion: 91 Resp: 2099728

Ion Ratio Lower Upper

91 100

92 59.1 48.0 72.0



#54

1,2-Dibromoethane

Concen: 9.700 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033202.D

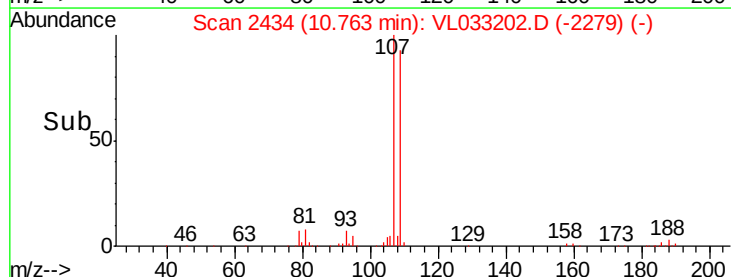
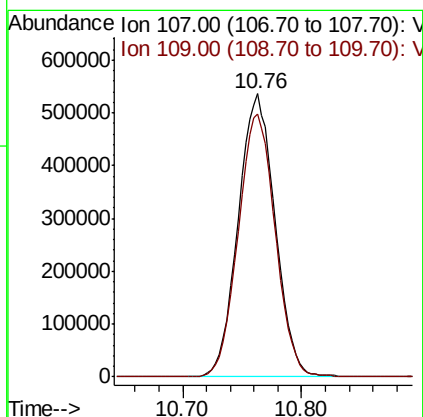
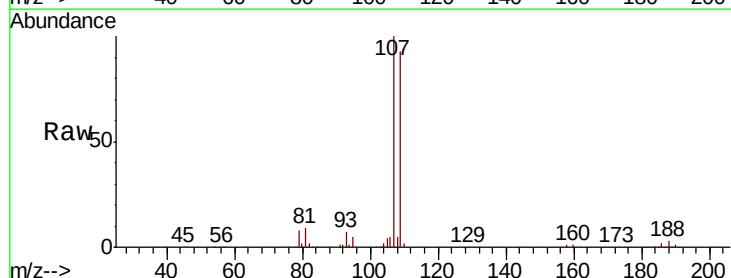
Acq: 14 Feb 2019 17:01

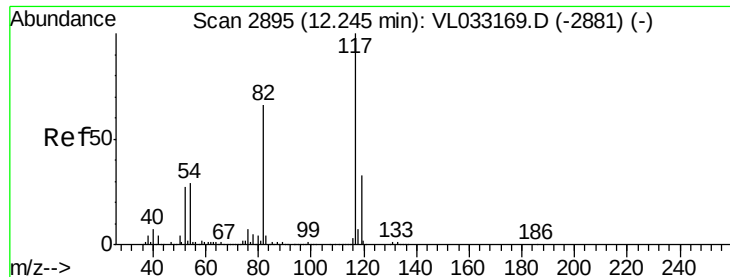
Tgt Ion: 107 Resp: 1149831

Ion Ratio Lower Upper

107 100

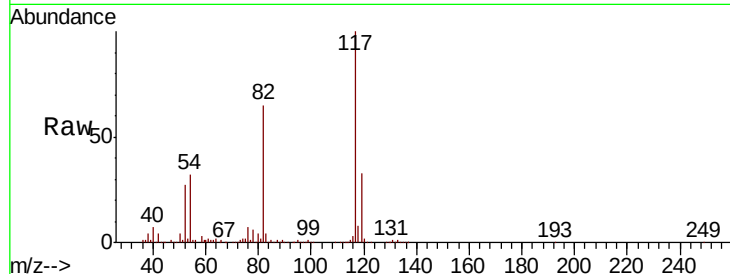
109 92.7 73.2 109.8



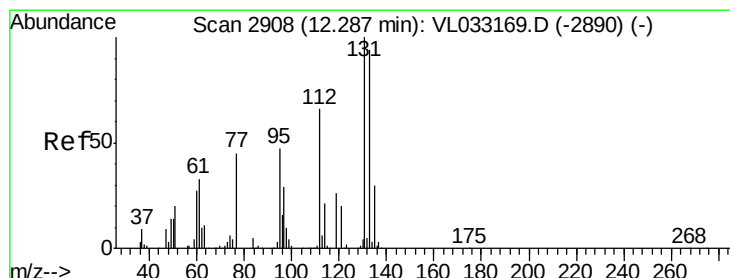
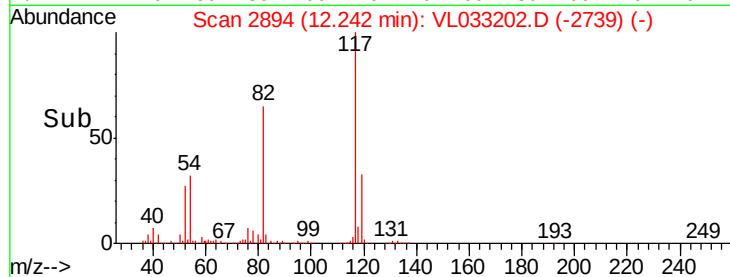
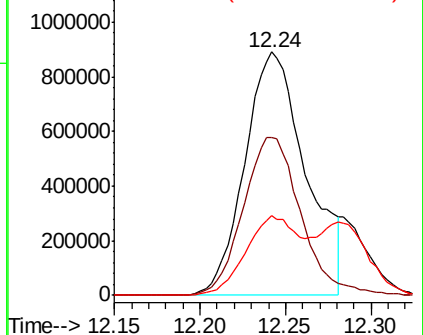


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tot Ion:117 Resp: 2216848
Ion Ratio Lower Upper
117 100
82 61.3 53.8 80.8
119 29.8 46.9 70.3#

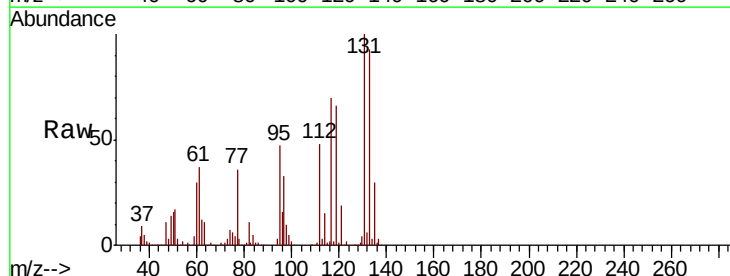


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

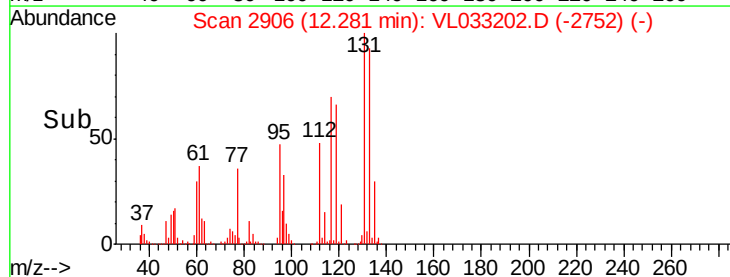
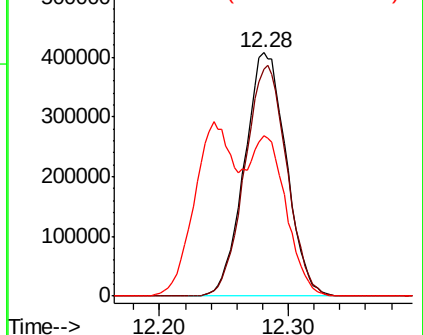


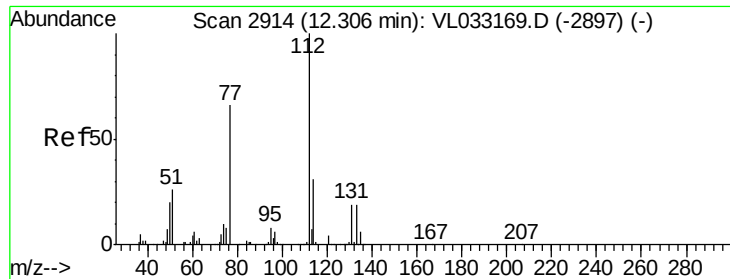
#56
1,1,1,2-Tetrachloroethane
Concen: 8.908 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion:131 Resp: 919762
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.6
119 53.8 48.1 72.1



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.117 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

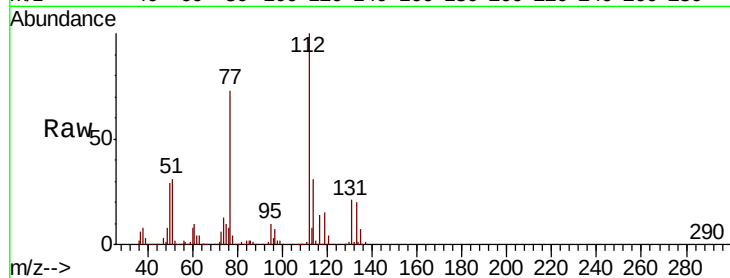
Tot Ion:112 Resp: 1592189

Ion	Ratio	Lower	Upper
112	100		
77	72.9	54.0	81.0
114	31.3	27.9	34.1

112 100

77 72.9 54.0 81.0

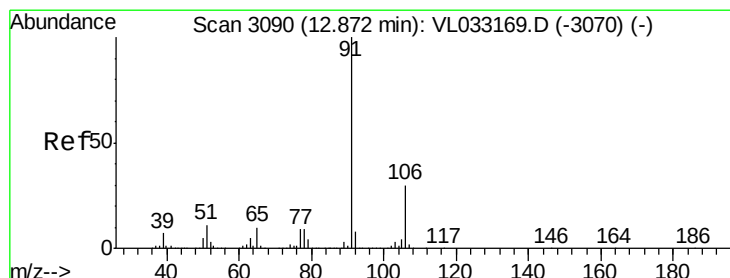
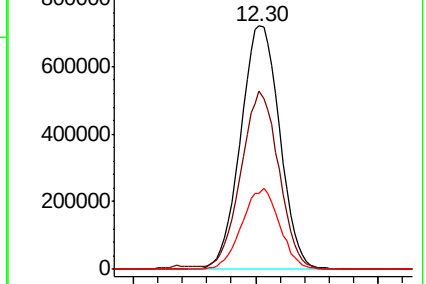
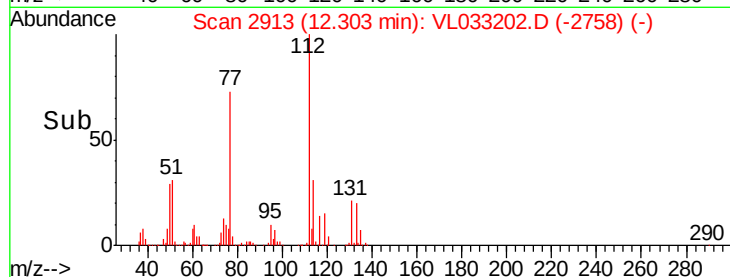
114 31.3 27.9 34.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.201 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033202.D

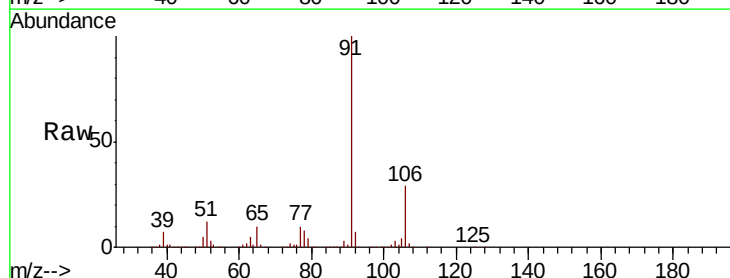
Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 2984388

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.8	35.8

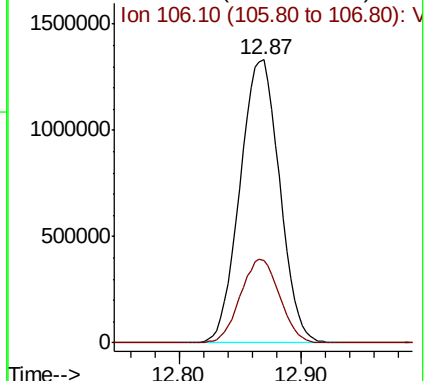
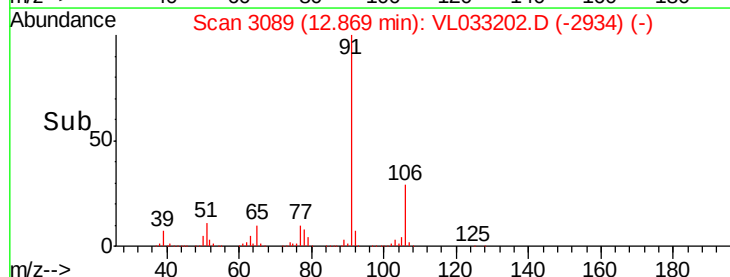
91 100

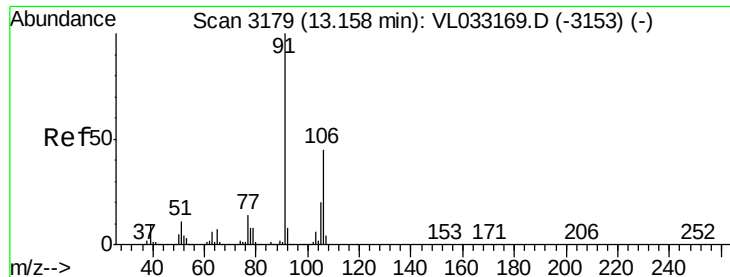
106 29.0 23.8 35.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

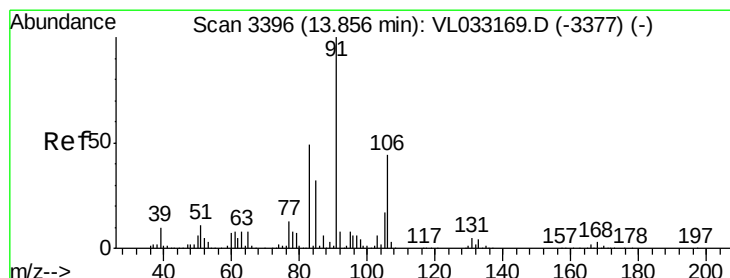
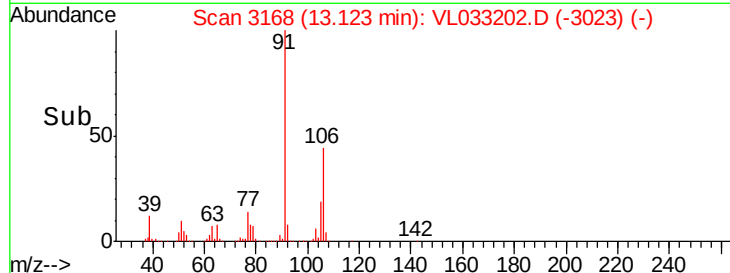
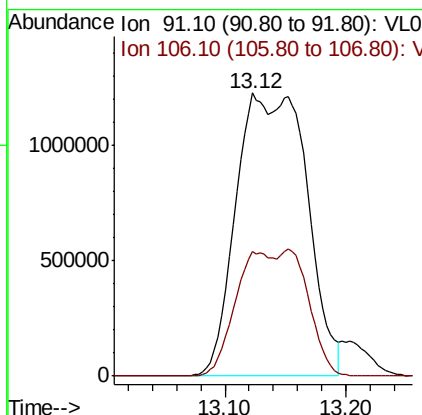
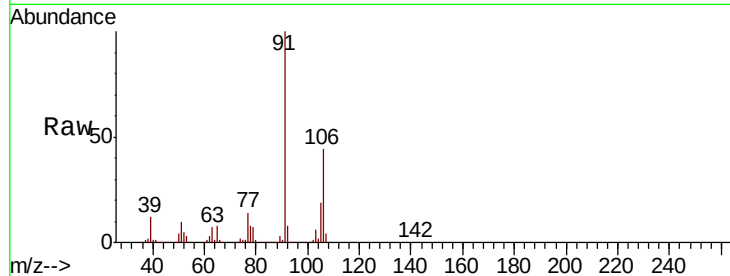
Ion 106.10 (105.80 to 106.80): V





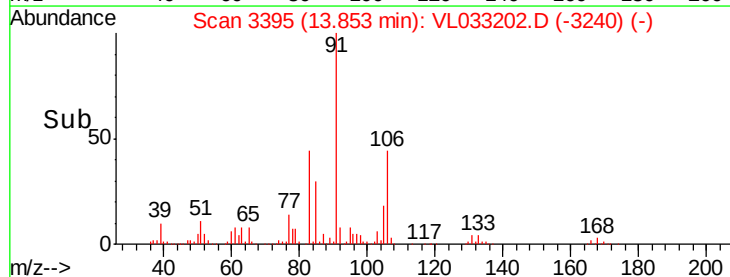
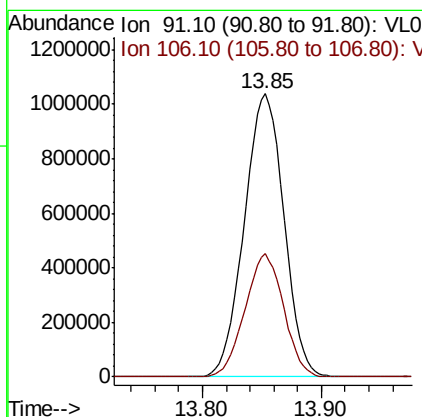
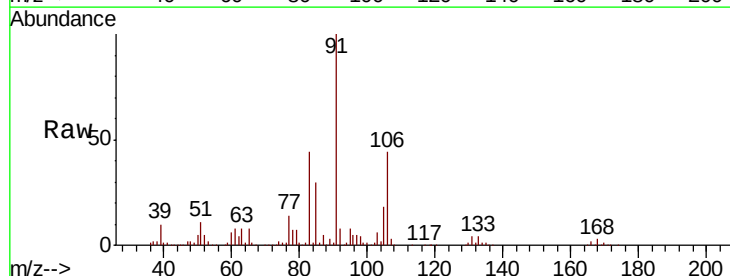
#59
m/p-Xylene
Concen: 16.393 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

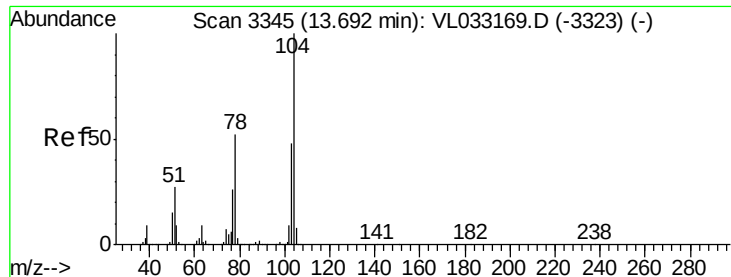
Tot Ion: 91 Resp: 4962007
Ion Ratio Lower Upper
91 100
106 44.0 36.6 55.0



#60
o-Xylene
Concen: 8.114 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033202.D
Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 2394817
Ion Ratio Lower Upper
91 100
106 42.5 21.8 65.3





#61

Stvrene

Concen: 8.152 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

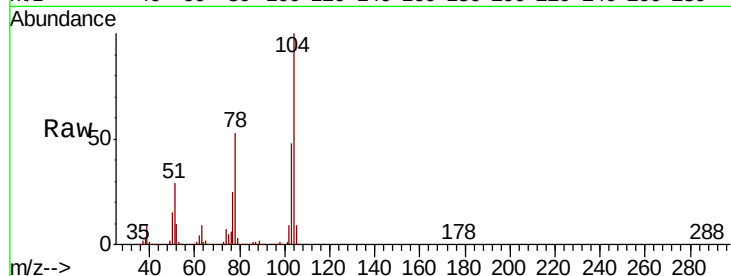
Tot Ion:104 Resp: 1816330

Ion Ratio Lower Upper

104 100

78 54.0 41.9 62.9

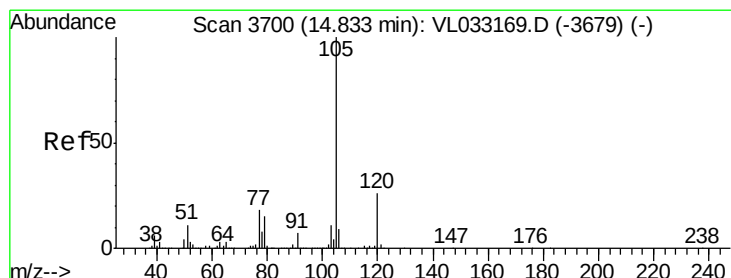
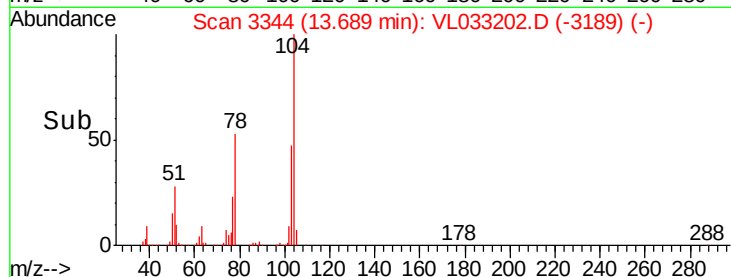
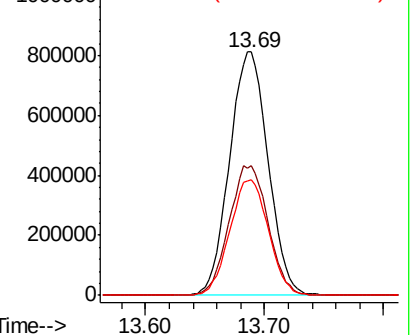
103 47.8 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.105 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033202.D

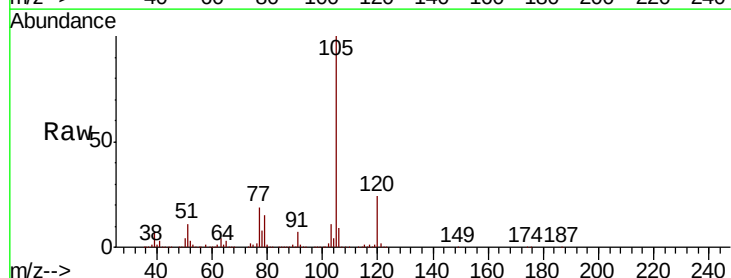
Acq: 14 Feb 2019 17:01

Tgt Ion:105 Resp: 3375128

Ion Ratio Lower Upper

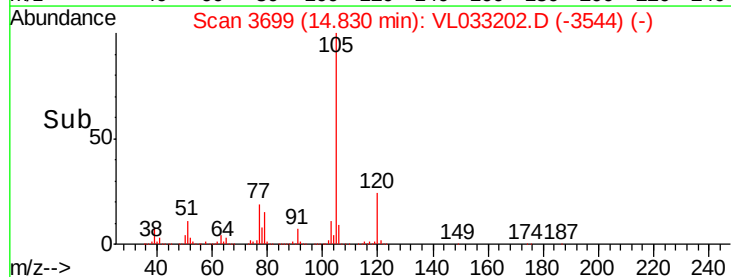
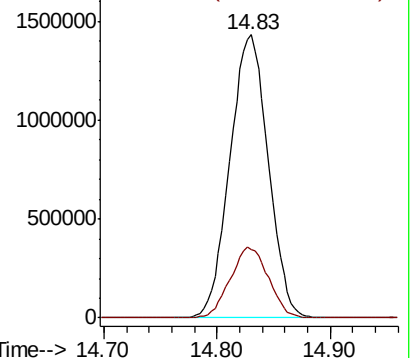
105 100

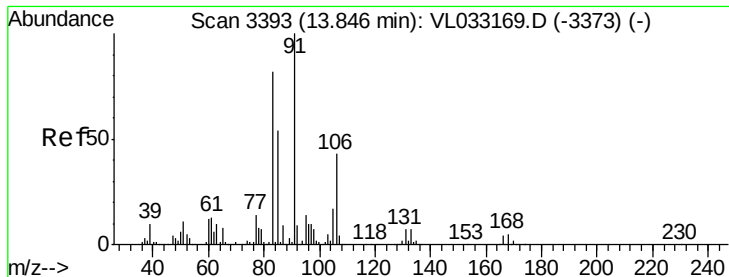
120 24.9 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

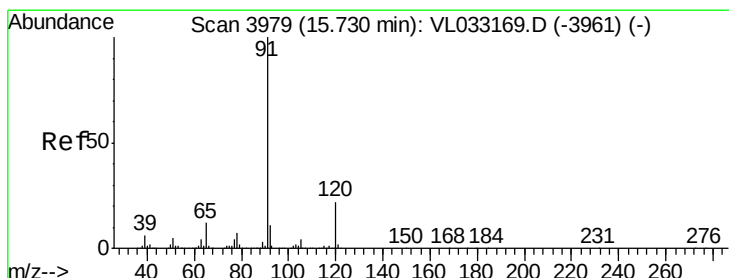
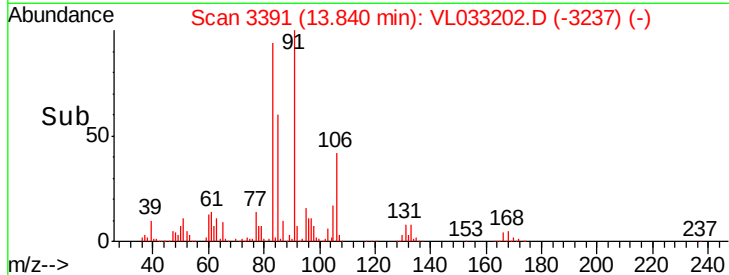
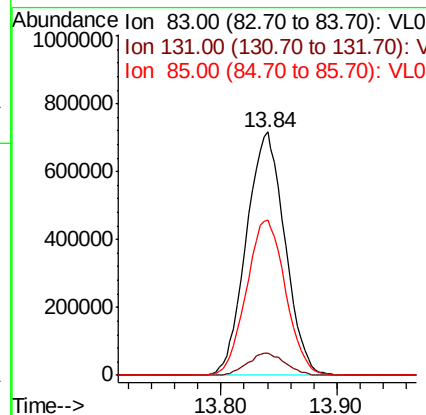
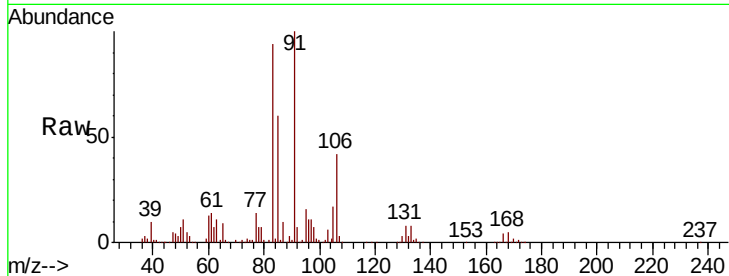
Ion 120.20 (119.90 to 120.90): V





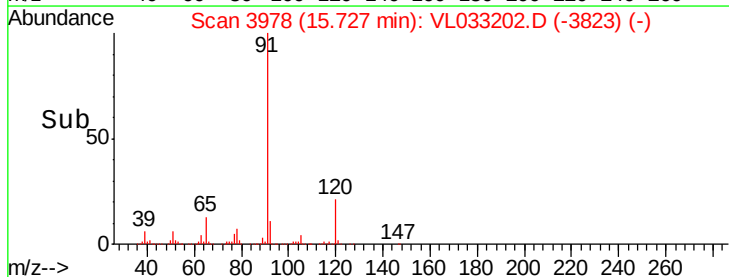
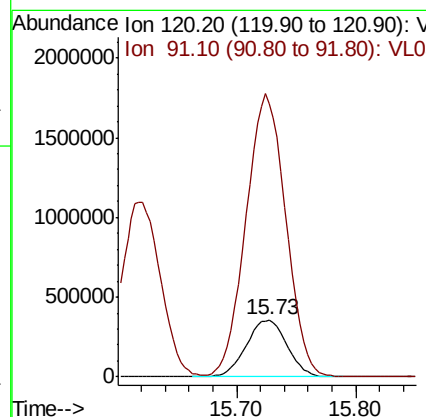
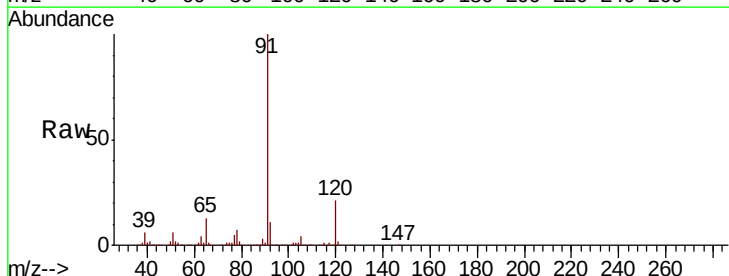
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.203 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

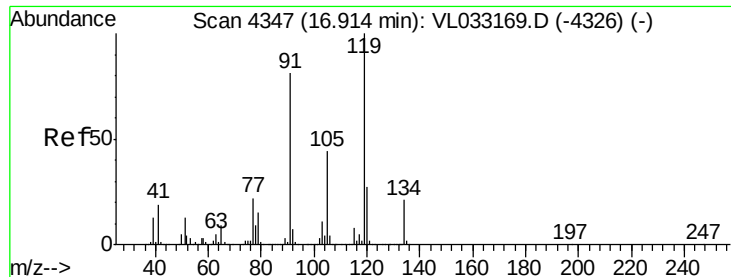
Tot Ion: 83 Resp: 1659621
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.8 14.3
 85 64.9 32.8 98.3



#64
 n-propylbenzene
 Concen: 7.980 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion: 120 Resp: 844809
 Ion Ratio Lower Upper
 120 100
 91 489.4 383.9 575.9





#65

tert-Butylbenzene

Concen: 8.037 ppbv

RT: 16.91 min Scan# 4346

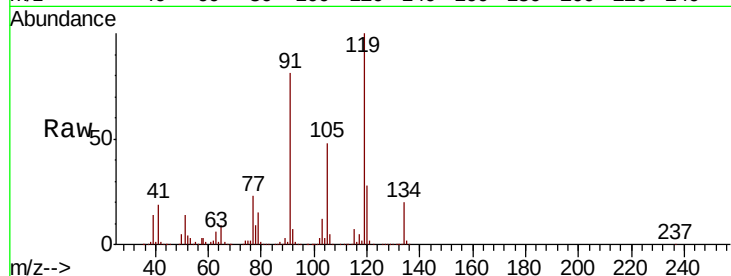
Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion: 119 Resp: 2914281

Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.6	98.4
134	19.4	15.8	23.8

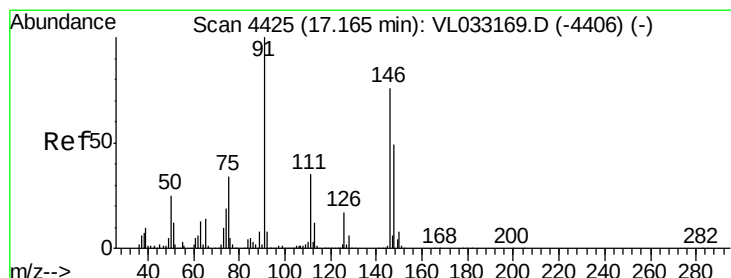
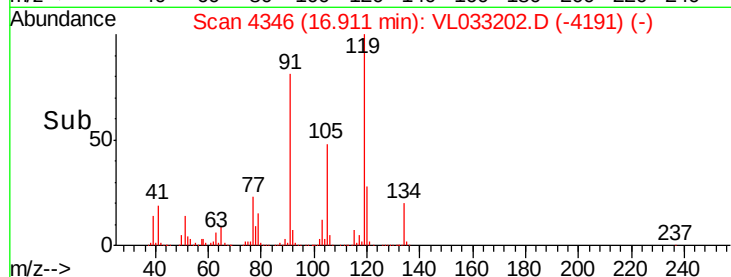
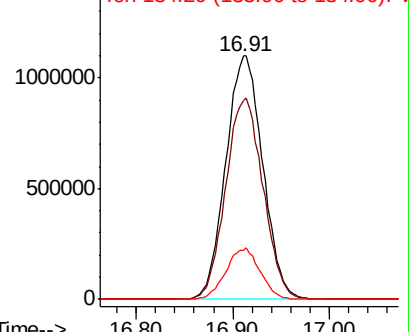


Abundance

Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.141 ppbv

RT: 17.16 min Scan# 4424

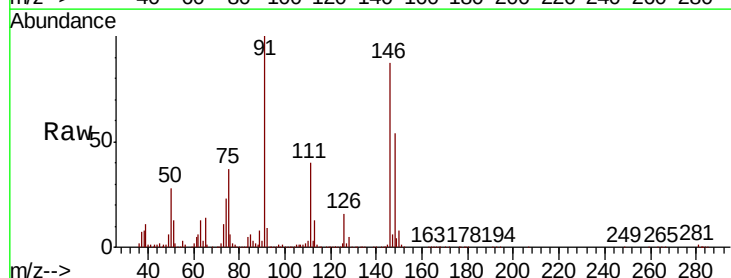
Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 1443727

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.8	20.6
128	5.3	4.5	6.7

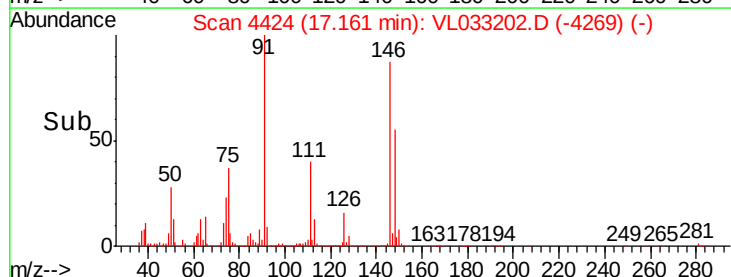
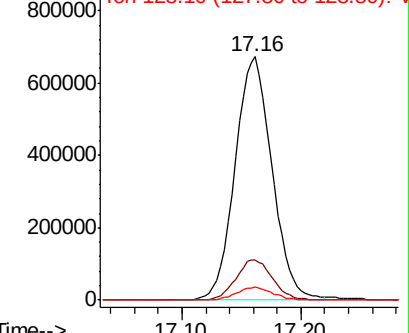


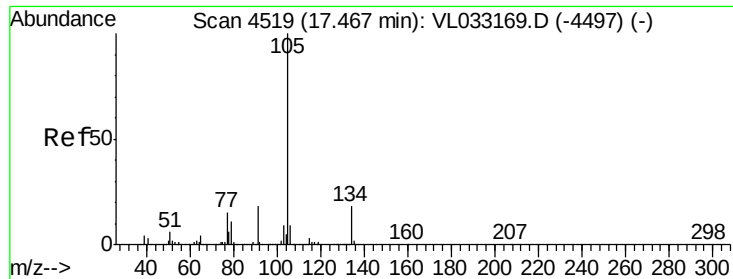
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.044 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033202.D

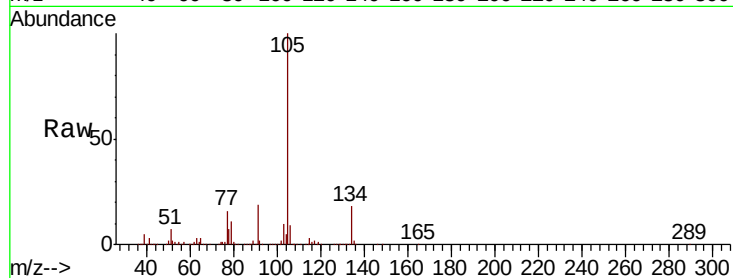
Acq: 14 Feb 2019 17:01

Tot Ion: 105 Resp: 4761113

Ion Ratio Lower Upper

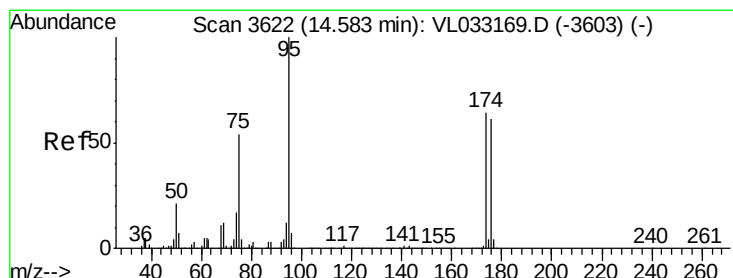
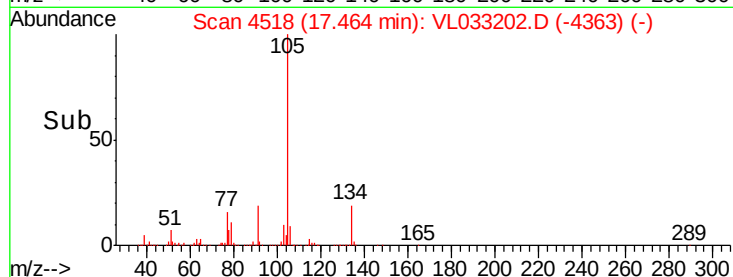
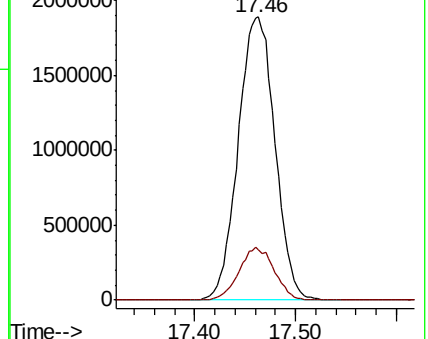
105 100

134 17.9 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.897 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

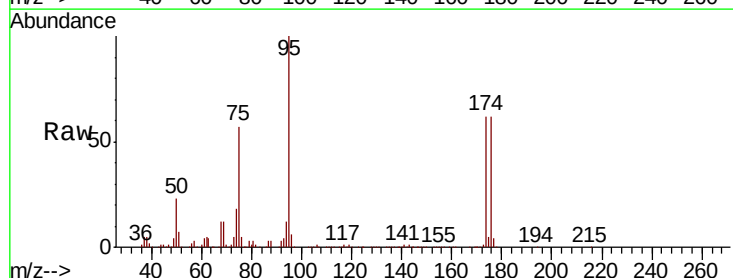
Tgt Ion: 95 Resp: 1537123

Ion Ratio Lower Upper

95 100

174 64.6 51.1 76.7

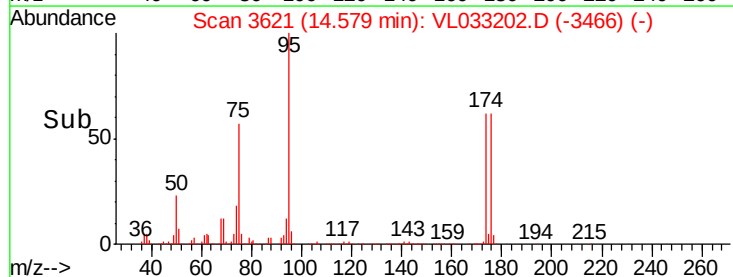
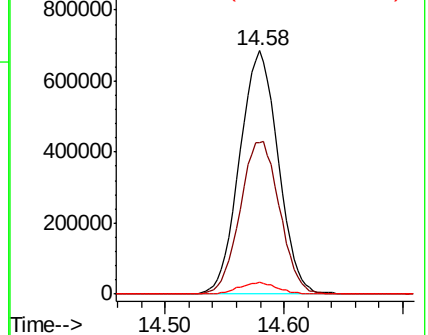
175 4.6 3.8 5.6

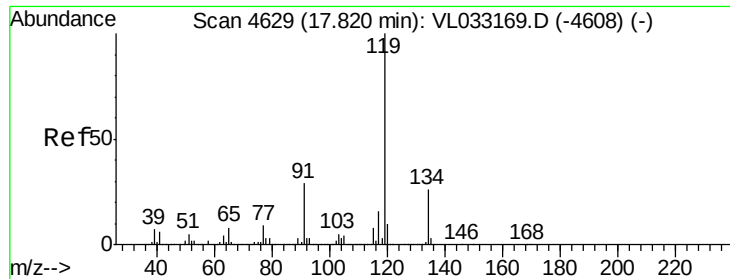


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

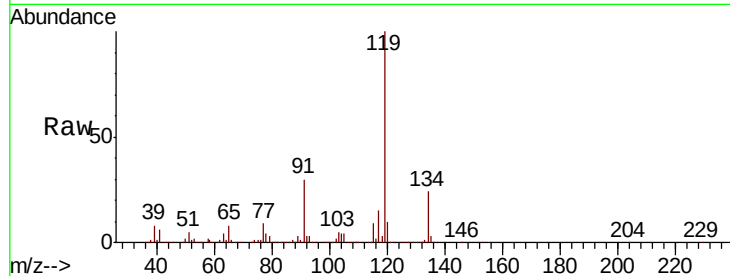
Ion 175.00 (174.70 to 175.70): V



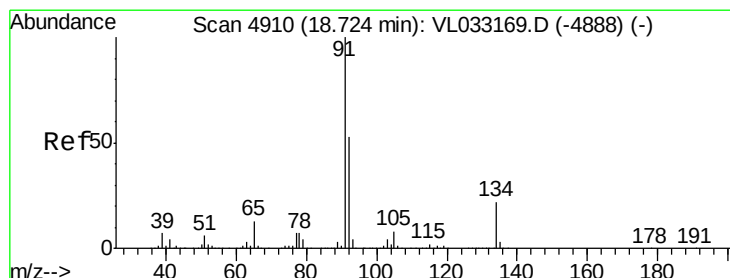
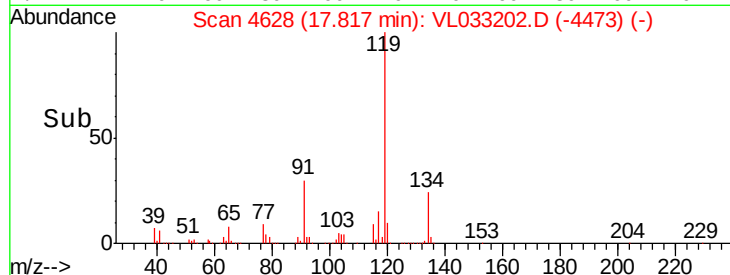
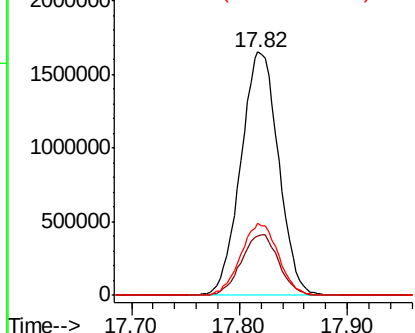


#69
 p-Isopropyltoluene
 Concen: 9.165 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tot Ion: 119 Resp: 4018046
 Ion Ratio Lower Upper
 119 100
 134 24.7 20.4 30.6
 91 29.5 23.4 35.0

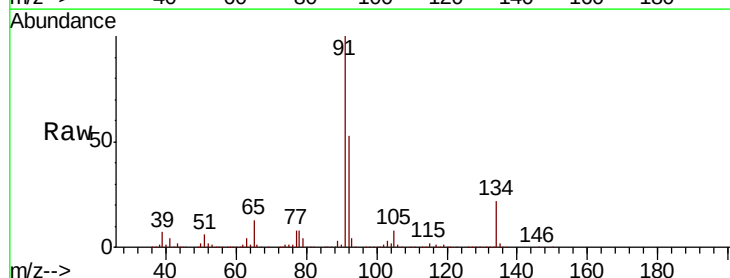


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

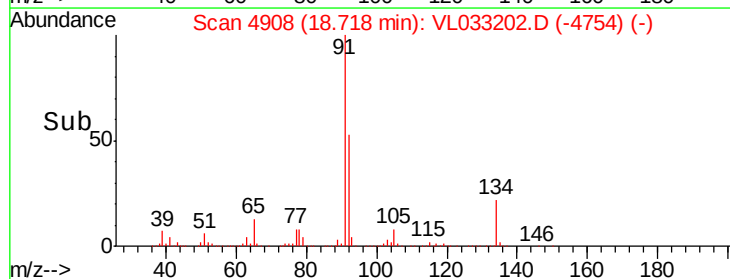
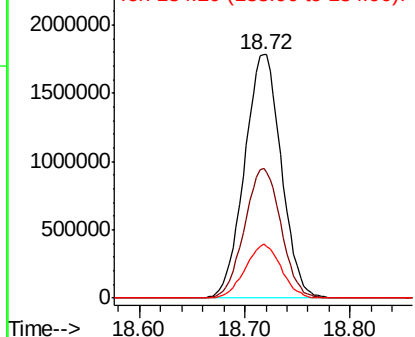


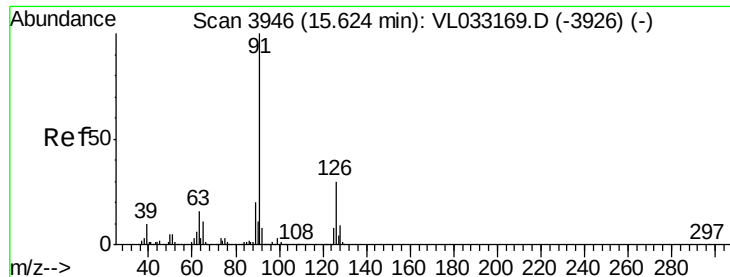
#70
 n-Butylbenzene
 Concen: 9.142 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion: 91 Resp: 4324170
 Ion Ratio Lower Upper
 91 100
 92 53.1 43.0 64.4
 134 21.6 17.5 26.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.943 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033202.D

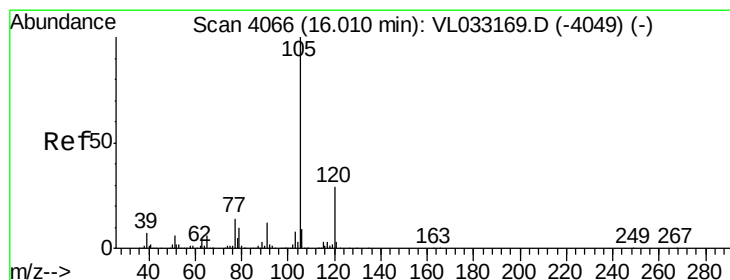
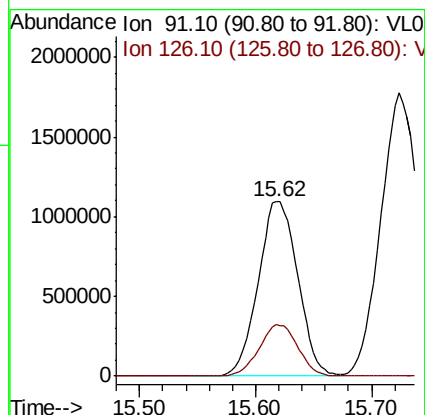
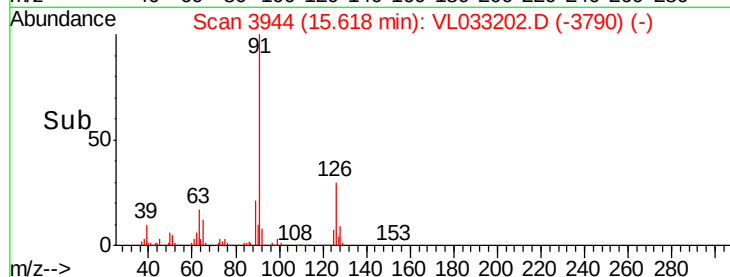
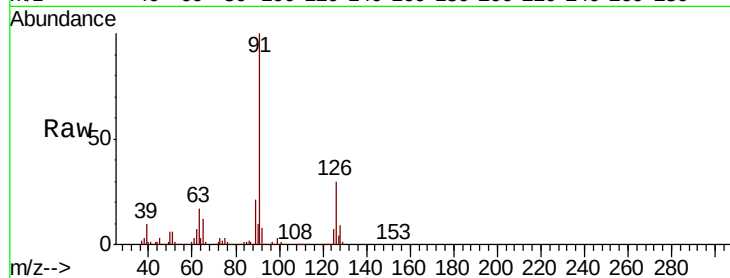
Acq: 14 Feb 2019 17:01

Tot Ion: 91 Resp: 2598645

Ion Ratio Lower Upper

91 100

126 28.9 11.8 47.4



#72

4-Ethyltoluene

Concen: 8.082 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion: 105 Resp: 2751327

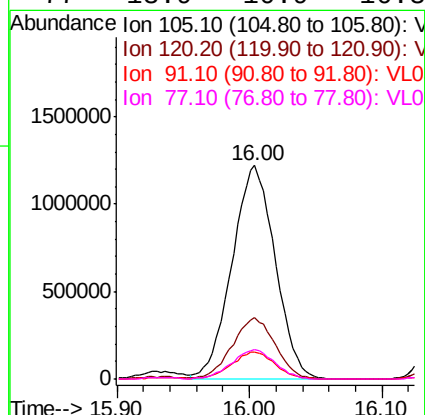
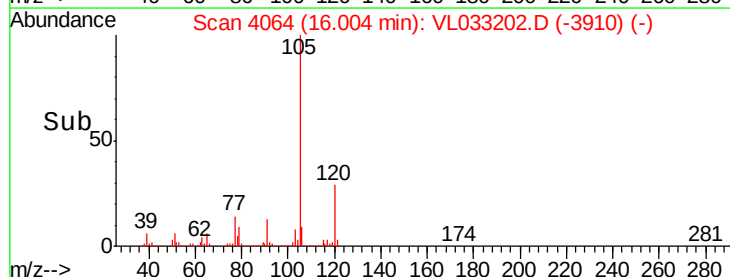
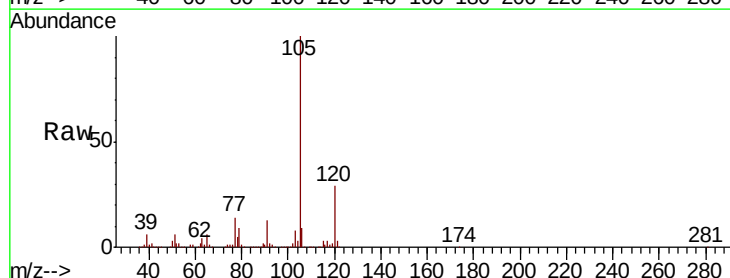
Ion Ratio Lower Upper

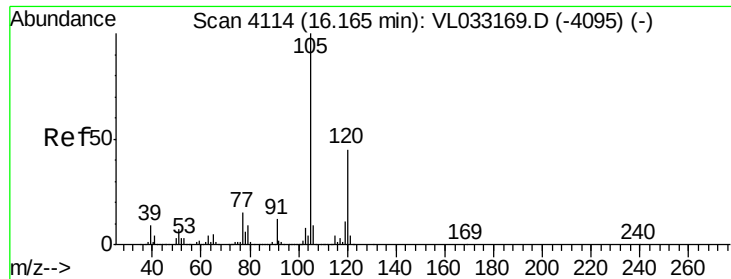
105 100

120 28.8 23.1 34.7

91 12.9 9.8 14.6

77 13.9 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 8.183 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033202.D

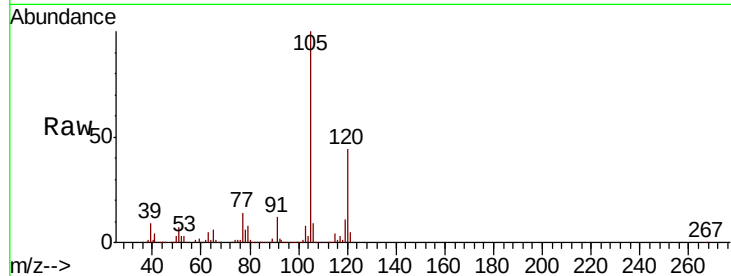
Acq: 14 Feb 2019 17:01

Tot Ion:105 Resp: 2664210

Ion Ratio Lower Upper

105 100

120 43.9 36.2 54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

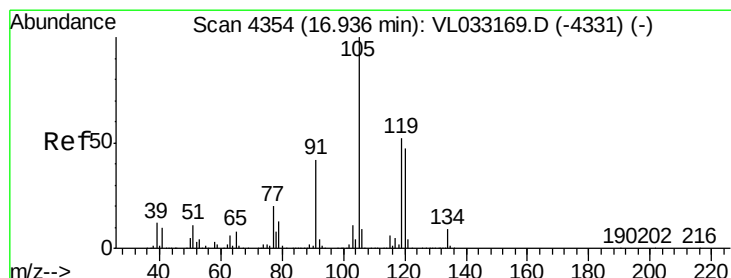
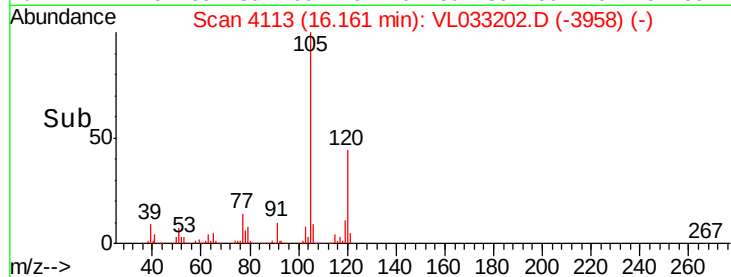
16.16

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.891 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:105 Resp: 2664699

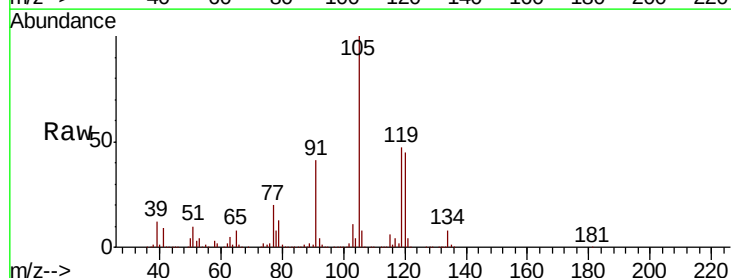
Ion Ratio Lower Upper

105 100

120 45.3 37.9 56.9

91 40.7 34.0 51.0

77 20.0 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.93

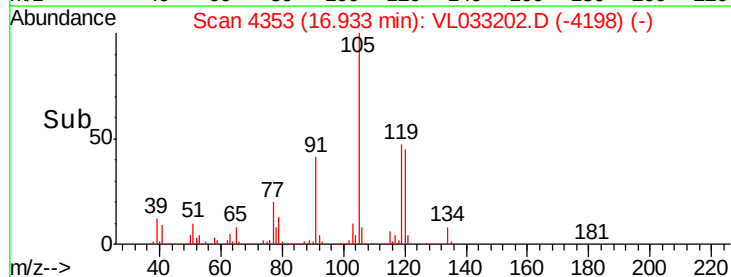
1500000

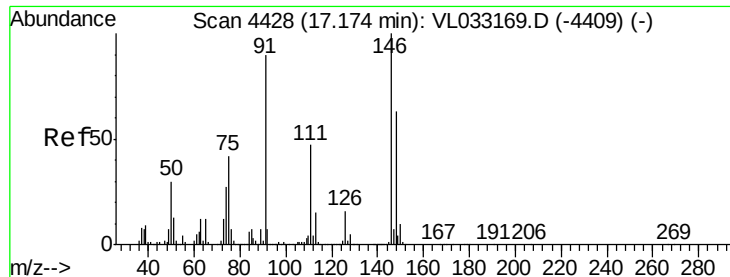
1000000

500000

0

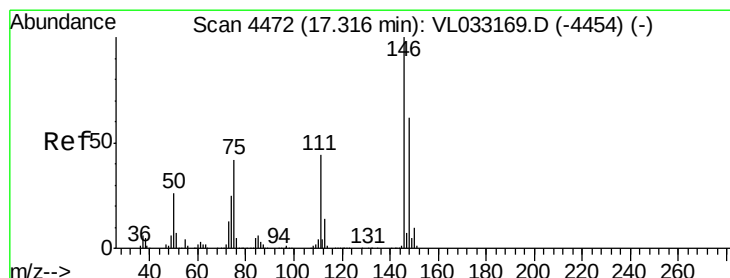
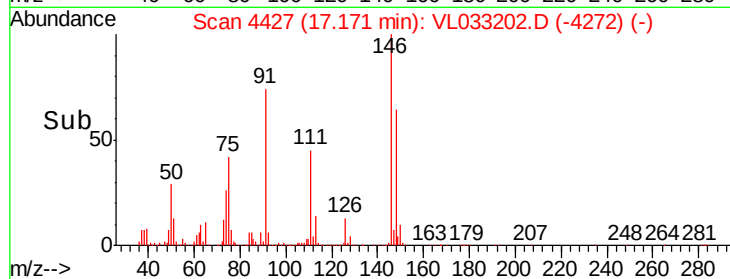
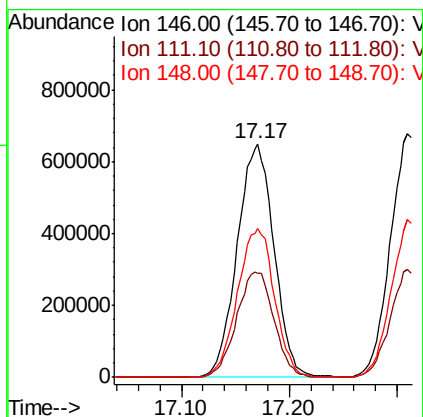
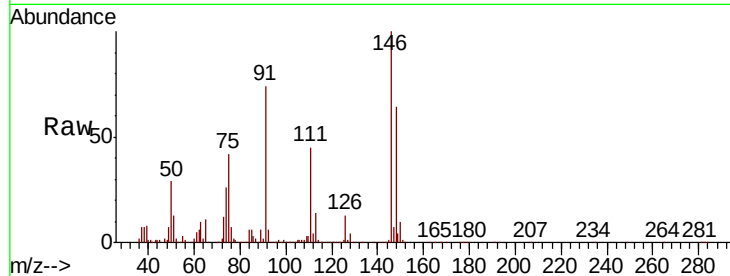
Time-->





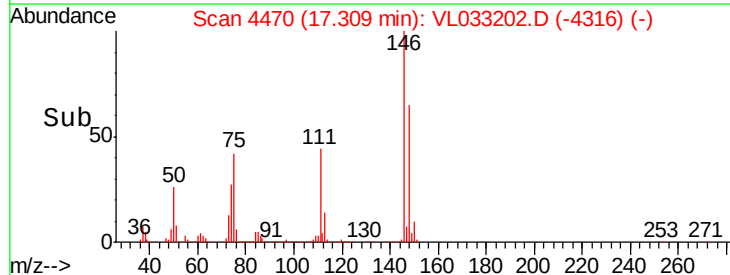
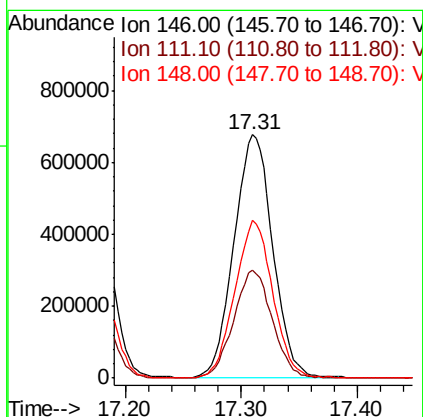
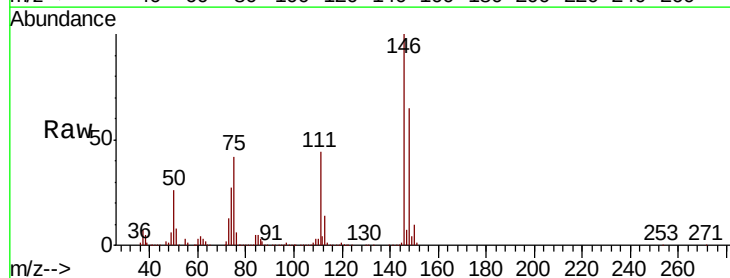
#75
 1,3-Dichlorobenzene
 Concen: 7.898 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

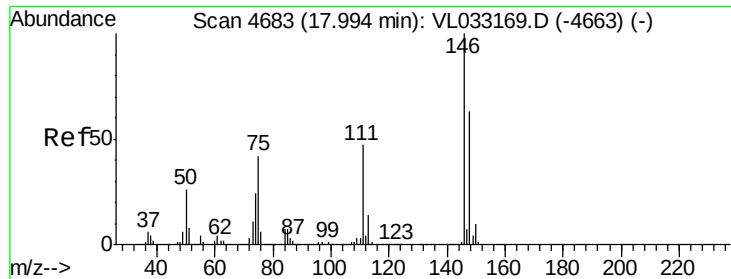
Tot Ion:146 Resp: 1538123
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.2 69.6
 148 64.4 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 8.084 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tgt Ion:146 Resp: 1559856
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.3 66.9
 148 64.0 32.0 96.0





#77

1,2-Dichlorobenzene

Concen: 9.274 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

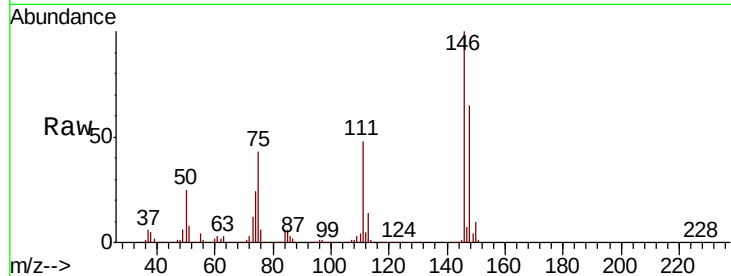
Tot Ion:146 Resp: 1784898

Ion Ratio Lower Upper

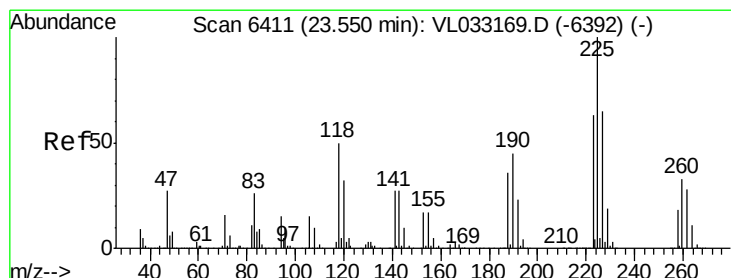
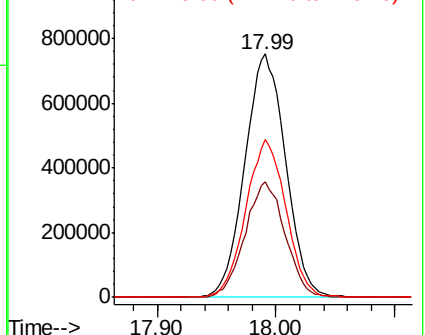
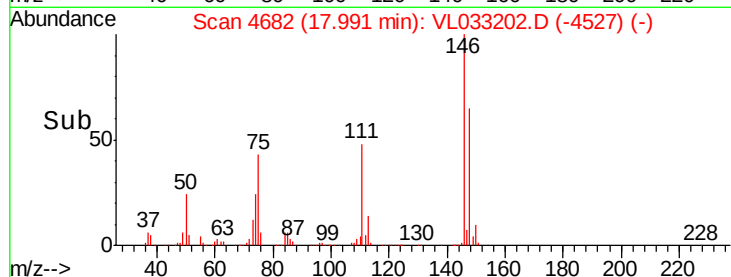
146 100

111 46.7 23.5 70.6

148 63.9 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.988 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

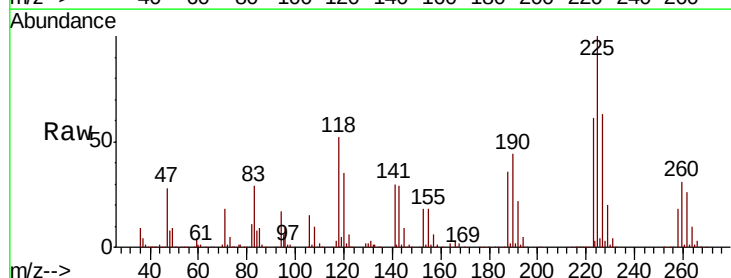
Tgt Ion:225 Resp: 860126

Ion Ratio Lower Upper

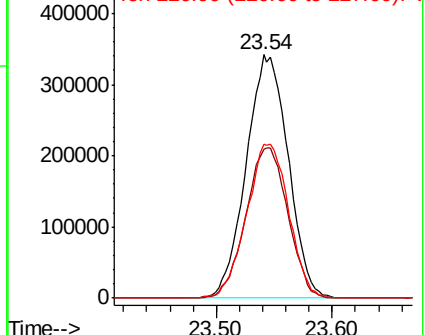
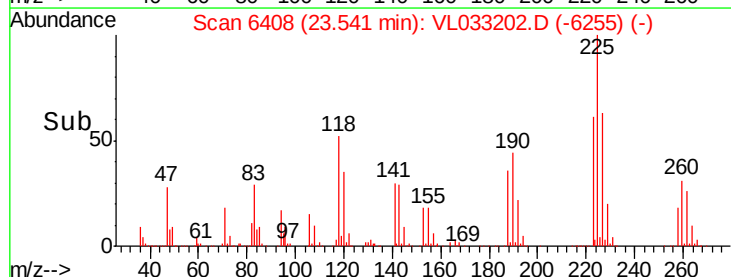
225 100

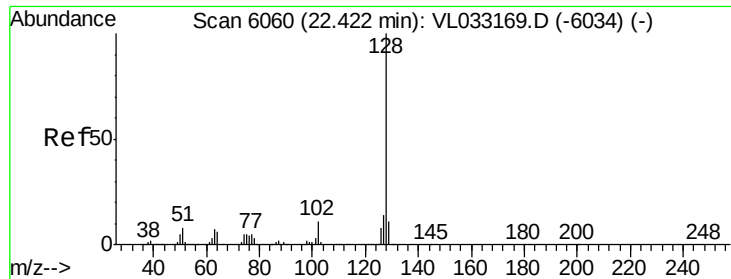
223 61.9 50.6 75.8

227 63.6 51.4 77.2



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.659 ppbv

RT: 22.42 min Scan# 6058

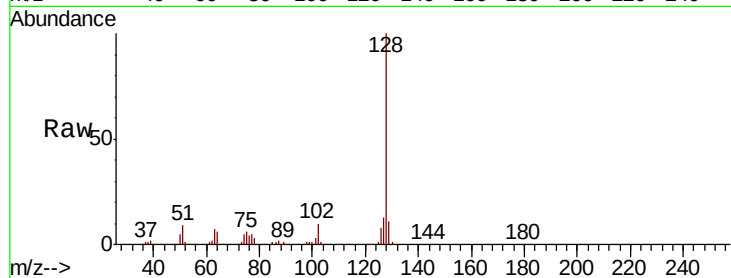
Delta R.T. -0.01 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tot Ion:128 Resp: 3142221

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	10.8	8.6	12.8

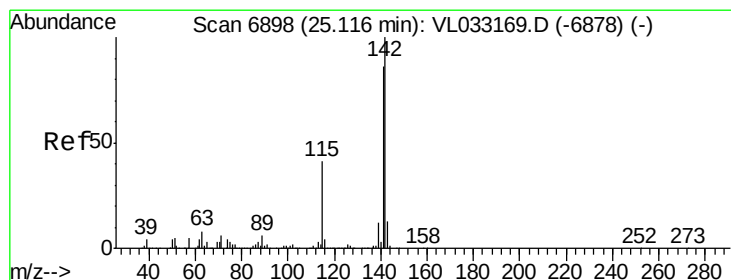
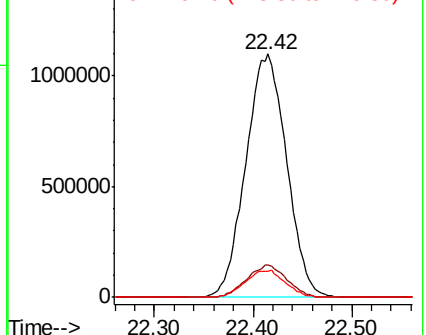
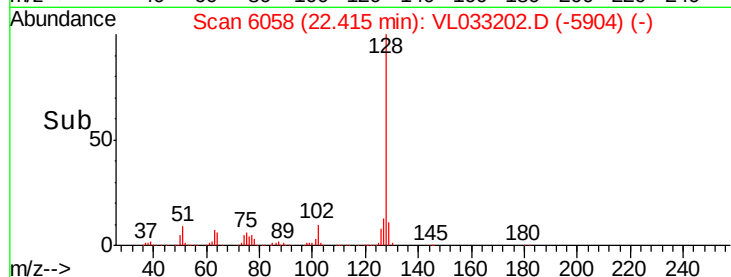


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 6.408 ppbv

RT: 25.11 min Scan# 6897

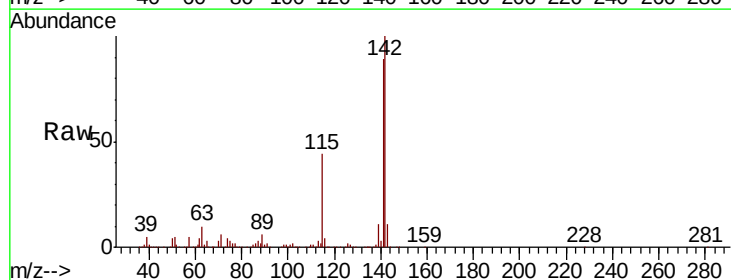
Delta R.T. -0.00 min

Lab File: VL033202.D

Acq: 14 Feb 2019 17:01

Tgt Ion:142 Resp: 1176113

Ion	Ratio	Lower	Upper
142	100		
141	85.5	67.7	101.5
115	42.1	32.7	49.1

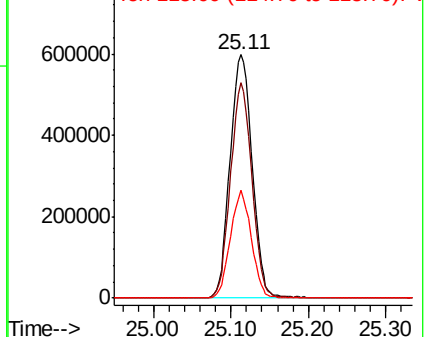
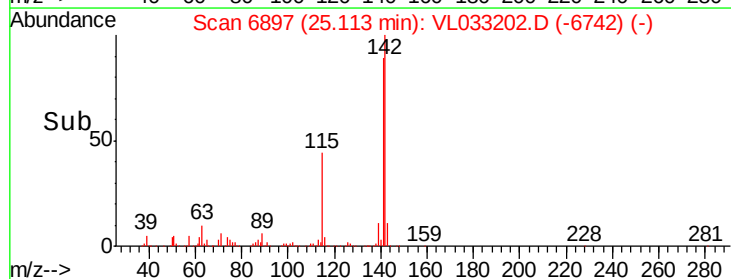


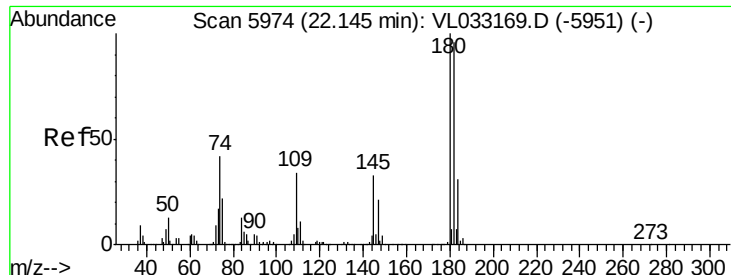
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.432 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033202.D
 Acq: 14 Feb 2019 17:01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
184	30.3	24.3	36.5

